

SERVICE MANUAL

TA-F555ESII

*US Model
AEP Model*



SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 20–20,000 Hz; rated 150 watts per channel minimum RMS power, with no more than 0.006% total harmonic distortion from 250 milliwatts to rated output.

With 8 ohm loads, both channels driven, from 20–20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.004% total harmonic distortion from 250 milliwatts to rated output.

Amplifier

Continuous RMS power output
(both channels driven simultaneously)
150 W + 150 W
(6 Ω, 20 Hz – 20 kHz, THD 0.006%)
120 W + 120 W
(8 Ω, 20 Hz – 20 kHz, THD 0.004 %)

Power bandwidth (IHF)
10 Hz – 100 kHz (6 Ω or 8 Ω, THD 0.02 %)

Dynamic headroom ('78 IHF)
1.5 dB (6 Ω)
1.2 dB (8 Ω)

Total harmonic distortion
0.004 % (6 Ω at 10 W output)
0.002 % (8 Ω at 10 W output)

Intermodulation (IM) distortion, 60 Hz : 7 kHz = 4 : 1
0.006 % (6 Ω at rated output)
0.004 % (8 Ω at rated output)

Damping factor
125 (8 Ω, 1 kHz)
Slew rate
125 V/μsec
250 V/μsec
(inside)

Dynamic range
120 dB (TUNER, CD, TAPE 1, 2,
VIDEO 1, 2 (audio))

Channel separation (at 1 kHz)
80 dB (PHONO MC)
95 dB (PHONO MM)
100 dB (TUNER, CD, TAPE 1, 2,
VIDEO 1, 2 (audio))

Residual noise
28 μV (network A)
Frequency response
RIAA equalization curve ± 0.2 dB
(PHONO MM)
2 Hz – 200 kHz +0 dB
2 Hz – 100 kHz +0 dB (G-AEP model)
(TUNER, CD, TAPE 1, 2,
VIDEO 1, 2 (audio))

—Continued on page 2—

SAFETY-RELATED COMPONENT WARNING!!

⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TA-F555ESII

Input sensitivity/impedance
0.17 mV, 40 Ω
(PHONO MC, 3 Ω)
0.17 mV, 100 Ω
(PHONO MC, 40 Ω)
2.5 mV, 50 kΩ
(PHONO MM)
150 mV, 50 kΩ
(TUNER, CD, TAPE 1, 2,
VIDEO 1, 2 (audio))

Maximum input capability (1 kHz)
9 mV (PHONE MC)
150 mV (PHONE MM)
(1 kHz, THD 0.003 %)
73 dB*, 70 dB (A) (PHONE MC)
83 dB*, 87 dB (A) (PHONE MM)
102 dB*, 97 dB (A) (TUNER,
CD, TAPE, 1, 2, VIDEO 1, 2
(audio))

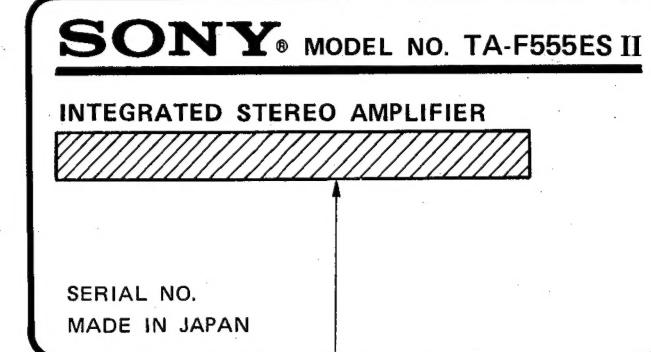
*'78 IHF
Output voltage impedance
150 mV, 1 kΩ (REC OUT 1, 2,
VIDEO 1 (audio))
25 mW (at 8 Ω)
Accepts low and high impedance
headphones. (HEADPHONES)
±8 dB (turnover freq. 300 Hz)
(BASS, at 60 Hz)
±8 dB (turnover freq. 5 kHz)
(TREBLE, at 25 kHz)

BASS BOOST
SUBSONIC filter
Video
Input/output voltage 1 Vp-p
Input/output impedance 75 Ω

General System
Preamplifier section: low-noise IC NF type
equalizer amplifier
Power amplifier section: quasicomplementary
SEPP OTL OCL power amplifier with all
stages direct coupled
AEP model: 220 V ac, 50/60 Hz
US model: 120 V ac, 60 Hz
AEP model: 310 W
US model: 290 W
AEP model: 1 switched, 100 W max.
US model: 2 switched, total 100 W max.,
2 unswitched, total 100 W
Approx. 430 x 135 x 425 mm (w/h/d)
(17 x 5 3/8 x 16 1/2 inches)
including projecting parts and controls
Approx. 15.1 kg (33 lbs 5 oz) net

MODEL IDENTIFICATION

— Specification Label —



US model: AC 120V ~ 60Hz 290W
AEP model: AC 220V ~ 50/60Hz 310W

INTEGRATED STEREO AMPLIFIER
SONY®

AUD



SAFETY CHECK-OUT (US Model)

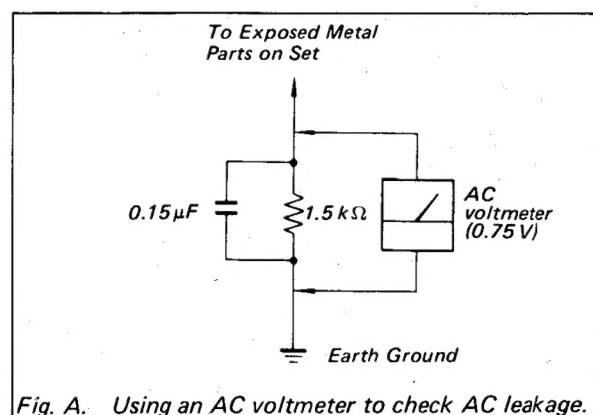
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.



SECTION 1 OUTLINE

1-1. FEATURES

A.C.T. (AUDIO CURRENT TRANSFER) TECHNOLOGY

With A.C.T. technology, which reduces interference and noise as low as possible, the 4 signals of right and left channels of the pre-amp and power amp sections are separated, obtaining the best performance at the normal listening level. (In the TA-F555ESII, the exclusively developed audio super Hi-f_T IC is employed.)

SUPER LEGATO LINEAR POWER AMPLIFIER STAGE

The operation of the power amplifier stage is stable without any observable distortion up through the higher frequencies. Because of its very low switching distortion, the output waveform is smooth.

POWERFUL POWER SUPPLY

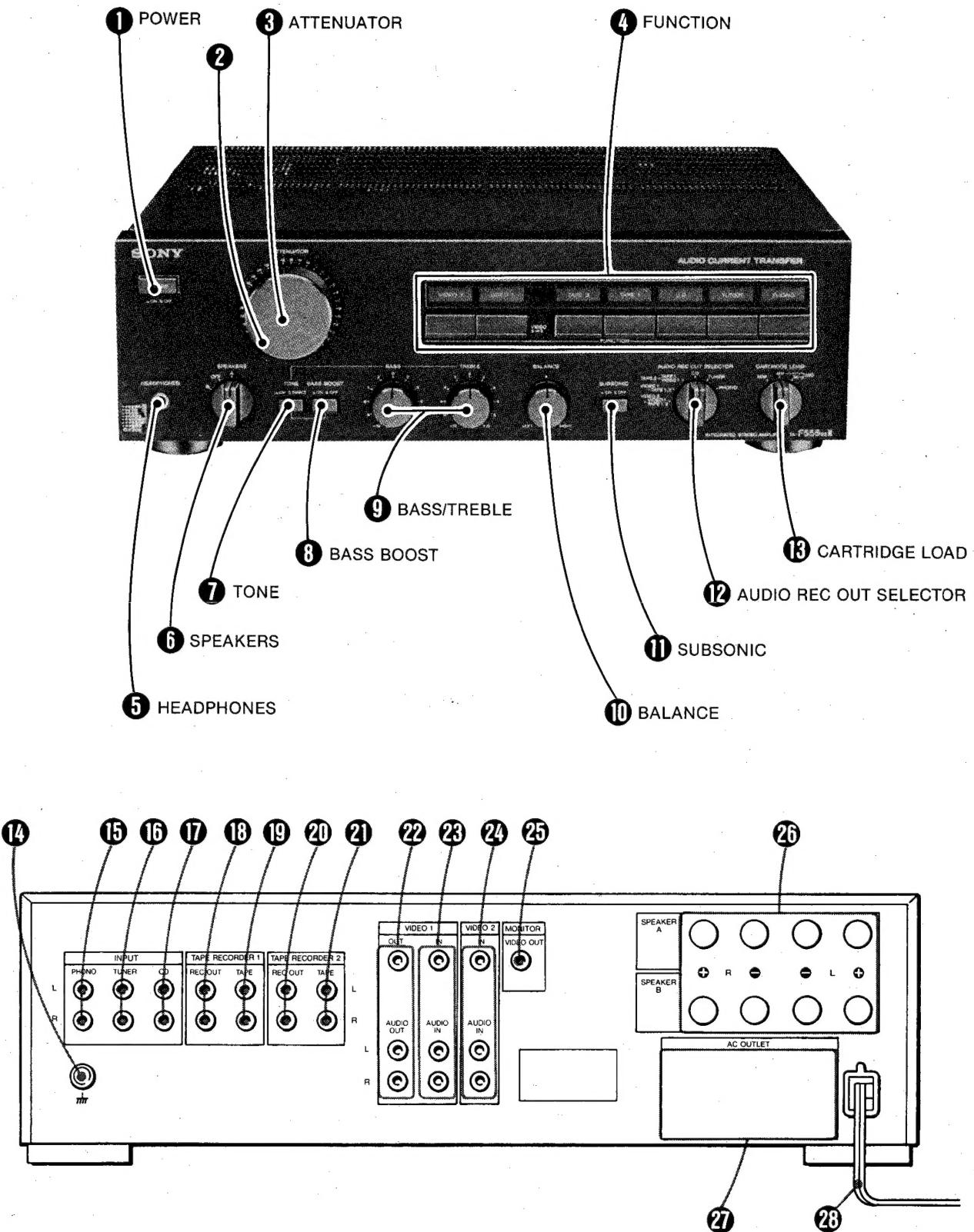
Powerful transformers of 250 VA and 350 VA are respectively used in the power supply sections of the TA-F444ESII and TA-F555ESII to obtain rich sound. In addition, use of the ES filter together with the newly developed large chemical capacitor eliminates the power interference.

SELECTED AUDIO PARTS

A large heatsink and high-rigidity chassis are used to prevent thermal modulation distortion and vibration distortion, respectively. LC-OFC (Linear Crystal Oxygen-free Copper) leads are used for internal wiring and speaker output coil. In addition, other audio parts are selected by frequent sound monitoring.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

1-2. FUNCTION OF CONTROLS



Front panel**① POWER switch**

Turns the operating power on or off.

② Power/standby indicator

When the power is turned on, the muting circuit activates and the indicator blinks in red. The indicator then lights up in green indicating that the unit is now in standby.

The indicator will also blink in red when the protection circuit is activated.

③ ATTENUATOR knob

Regulates the overall sound level.

Turning the knob toward 0 increases the volume and turning it toward $-\infty$ decreases the volume. Be sure to lower the volume whenever you turn the amplifier on or off.

④ FUNCTION buttons and indicators

Press to select the desired audio or video program source. Press another button to change the program. The indicator lamp above the pressed button will light up, indicating the program in use.

⑤ HEADPHONES jack

Accepts any low or high impedance stereo headphones.

For headphone monitoring only, set the SPEAKERS selector to OFF.

⑥ SPEAKERS selector

Selects speaker system A or B.

⑦ TONE switch

Depress this switch (\square ON) when you adjust the tone controls or when you use the BASS BOOST switch. While you keep the switch released (\square DIRECT), the tone control circuits are completely disconnected from the signal path and a flat frequency response is obtained.

⑧ BASS BOOST switch

Depress this switch (\square ON) when you are driving a speaker system such as a small bookshelf type system, which has a weak bass response.

When the BASS BOOST switch is to be used, be sure to first depress the TONE switch (\square ON).

⑨ BASS and TREBLE tone controls

These knobs control the prominence of bass and treble response. Clockwise rotation increases response; counterclockwise rotation decreases it. Adjust the tone to the acoustic condition of the listening room or to your preference.

When these tone controls are to be used, be sure to first depress the TONE switch (\square ON).

⑩ BALANCE control

Governs the amount of sound coming from each paired speaker to get optimum stereo effect.

⑪ SUBSONIC filter switch

If subsonic noise components created by warped records, etc. are present, the audible range frequencies may be modulated and cause irritating intermodulation distortion. In this case, depress the switch (\square ON) to reduce unwanted noise components in the program source. The filter will cut off any input signals below 15 Hz at a 6 dB-per-octave rate. Press the switch again to release it (\square OFF).

⑫ AUDIO REC OUT SELECTOR switch

Permits you to select the desired program source you want to record.

For tape dubbing or video editing, set this switch to appropriate position.

⑬ CARTRIDGE LOAD selector

Before you play a record, be sure to set the selector as follows:

Moving-Magnet (MM) type cartridge

Set the CARTRIDGE LOAD selector to MM.

Moving-Coil (MC) type cartridge

40Ω : for a cartridge with an impedance of 40 ohms or more.

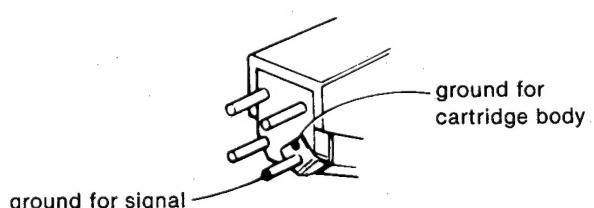
3Ω : for a cartridge with an impedance in the 3 to 40 ohms range.

Rear panel**⑭ Ground terminal**

To prevent hum, be sure to connect the ground wire of the turntable system to this ground terminal. If hum still exists, it may be helpful to connect the ground terminal directly to earth via a ground rod.

Note

In some particular MM cartridges, the ground for signal is connected to the ground for cartridge body. If this type of cartridge should be installed to a metal cartridge shell, current will flow through the tonearm ground in a loop and will cause hum noise. In this case, disconnect the turntable ground wire from the \square terminal of the amplifier, or disconnect the ground for cartridge body from the ground for signal.



TA-F555ES II

⑯ PHONO inputs (phono jack)

⑯ TUNER inputs (phono jack)

⑰ CD inputs (phono jack)

⑱ TAPE RECORDER 1 REC OUT outputs (phono jack)

Accept the inputs of a tape deck for recording.

⑲ TAPE RECORDER 1 TAPE inputs (phono jack)

Accept the line outputs of a tape deck for playback.

⑳ TAPE RECORDER 2 REC OUT outputs (phono jack)

Accept the inputs of a second tape deck for recording.

㉑ TAPE RECORDER 2 TAPE inputs (phono jack)

Accept the line outputs of a second tape deck for playback.

㉒ VIDEO 1 OUT output and VIDEO 1 AUDIO OUT outputs (phono jack)

VIDEO 1 OUT: Accepts the video input of a video recorder.

VIDEO 1 AUDIO OUT: Accept the audio inputs of a video recorder.

㉓ VIDEO 1 IN input and VIDEO 1 AUDIO IN inputs (phono jack)

VIDEO 1 IN: Accepts the video output of a video recorder.

VIDEO 1 AUDIO IN: Accept the audio outputs of a video recorder.

㉔ VIDEO 2 IN input and VIDEO 2 AUDIO IN inputs (phono jack)

VIDEO 2 IN: Accepts the video output of a TV tuner for multiple video source connection, a monaural video recorder or a second video recorder for video editing.

VIDEO 2 AUDIO IN: Accept the audio outputs of a TV tuner for multiple video source connection, a monaural video recorder or a second video recorder for video editing.

㉕ MONITOR VIDEO OUT output (phono jack)

Accepts the input of a color monitor.

㉖ SPEAKER A, B connectors

For connecting a speaker system or two pairs of speaker systems. System A and system B can be selected by means of the front panel SPEAKERS selector.

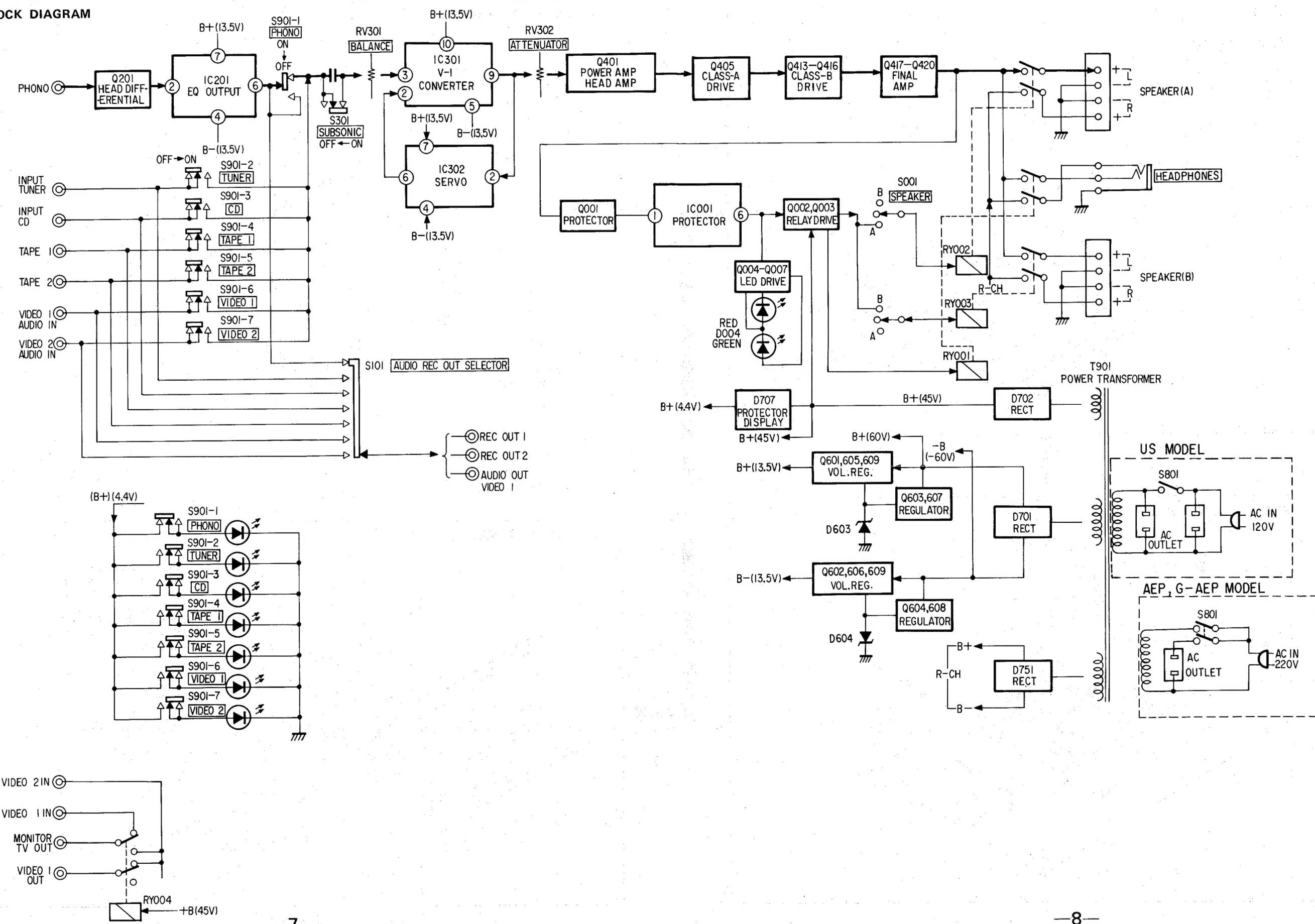
㉗ AC OUTLETS

These are used to power other audio components whose power consumption is less than the wattage indicated on the ac outlet.

㉘ Power cord

TA-F555ES II TA-F555ES II

1-3. BLOCK DIAGRAM



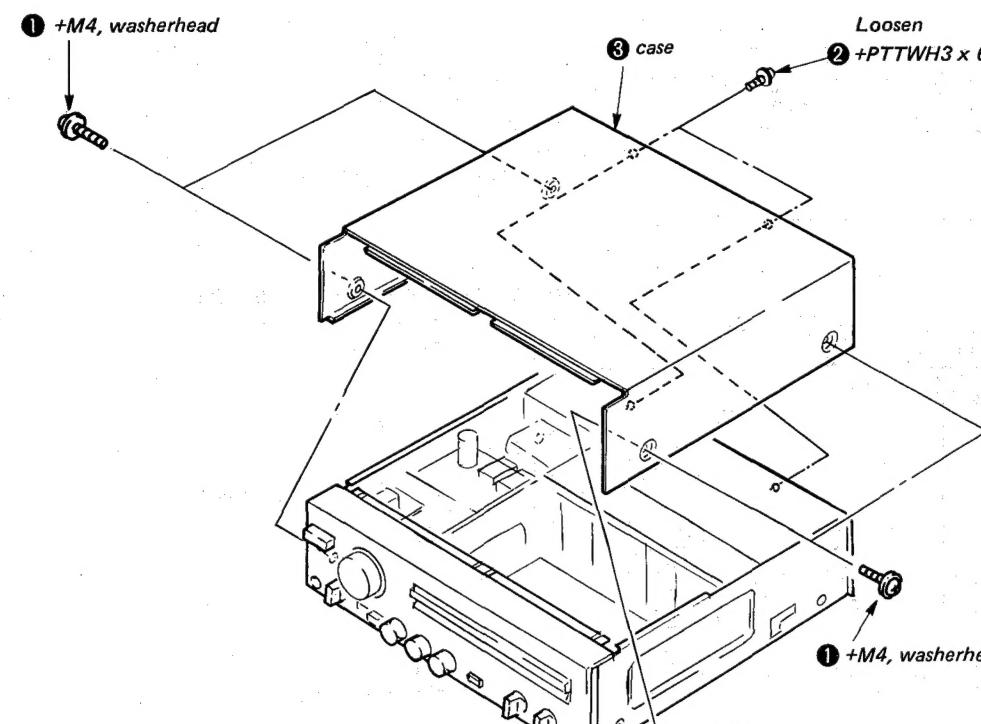
SECTION 2
DISASSEMBLY

TA-F555ES II

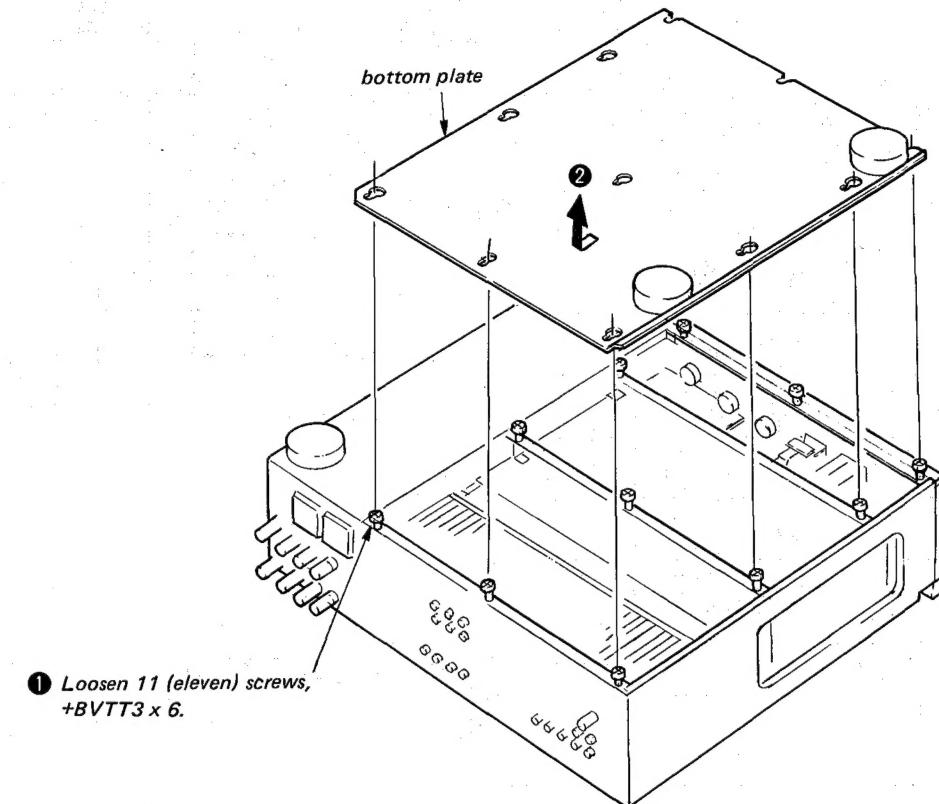
TA-F555ES II

Note: Follow the disassembly procedure in the numerical order given.

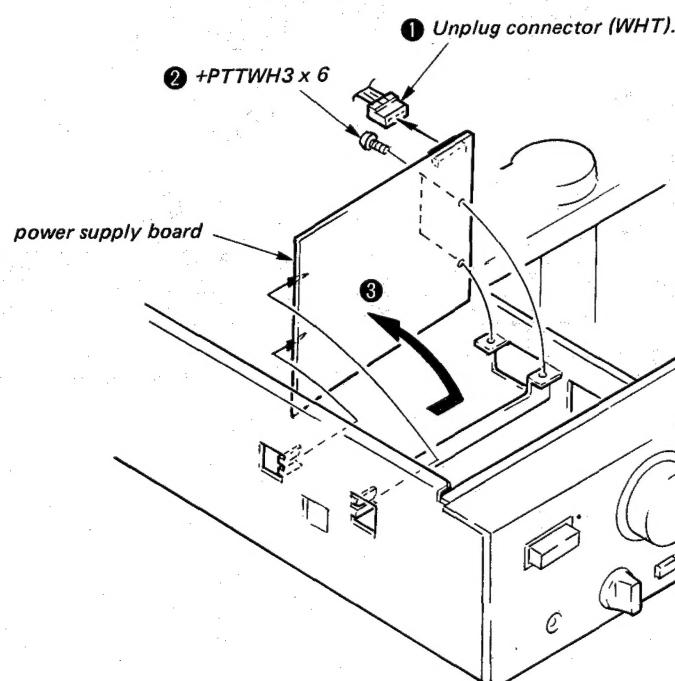
CASE REMOVAL



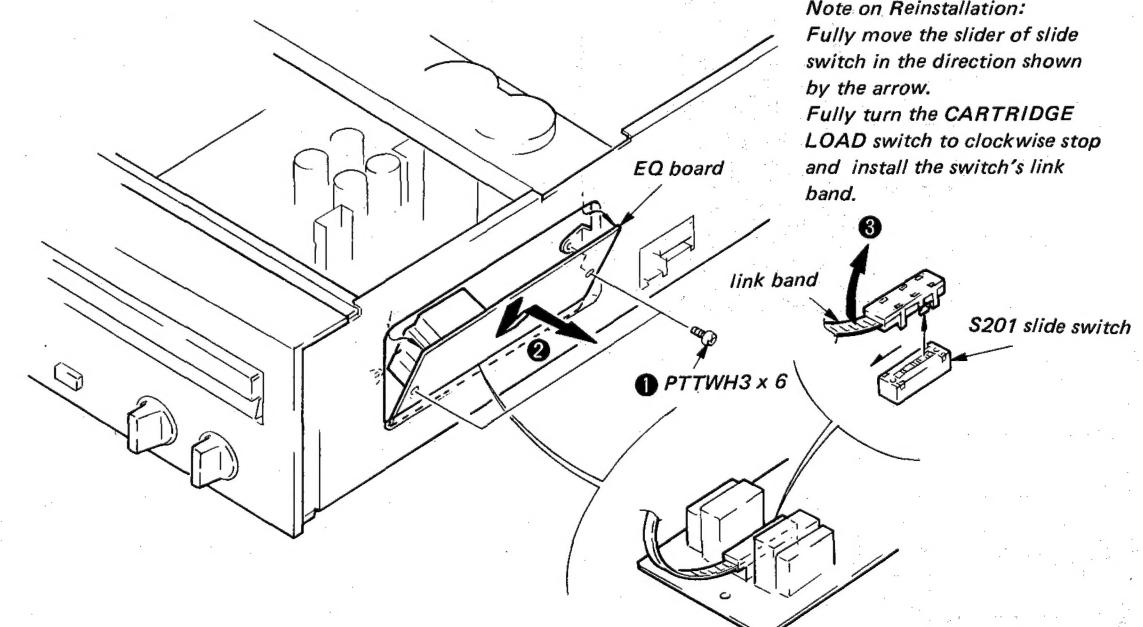
BOTTOM PLATE REMOVAL



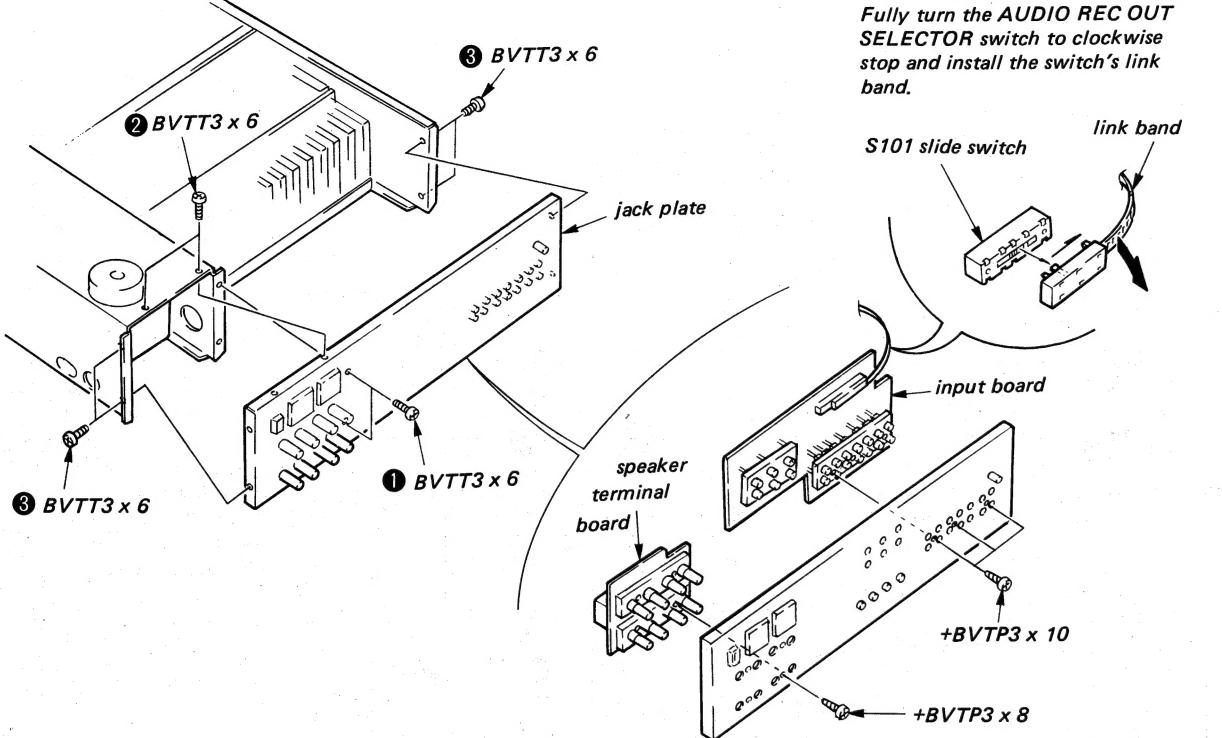
POWER SUPPLY BOARD REMOVAL



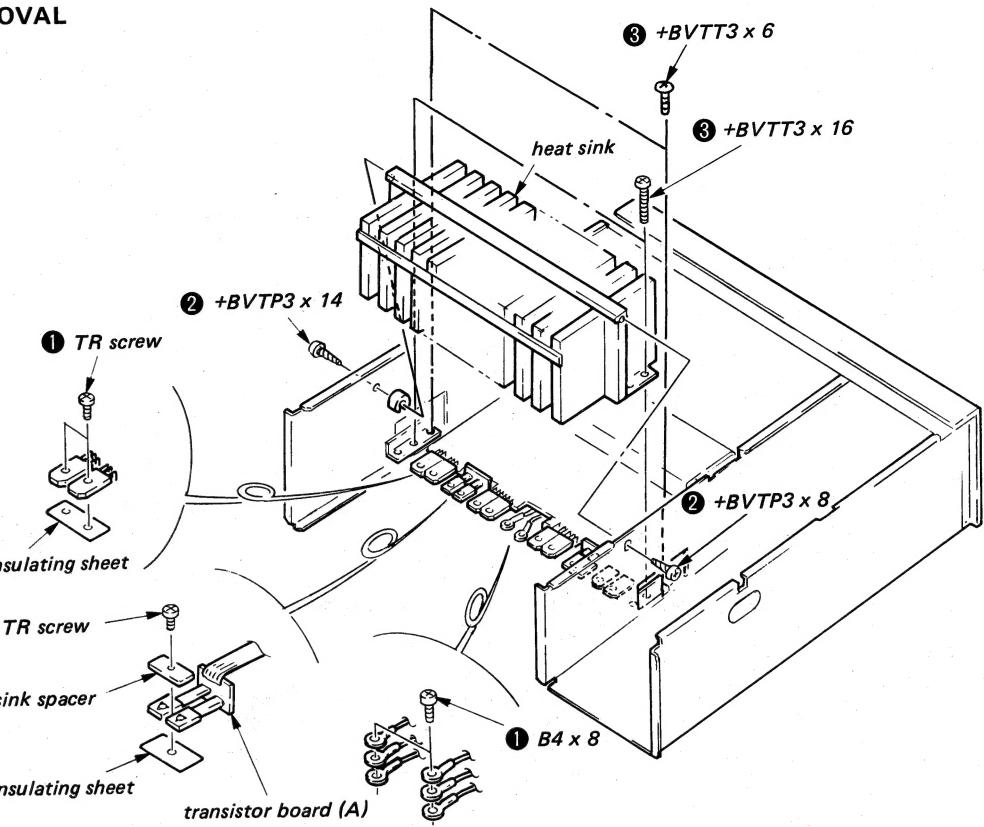
EQ BOARD REMOVAL



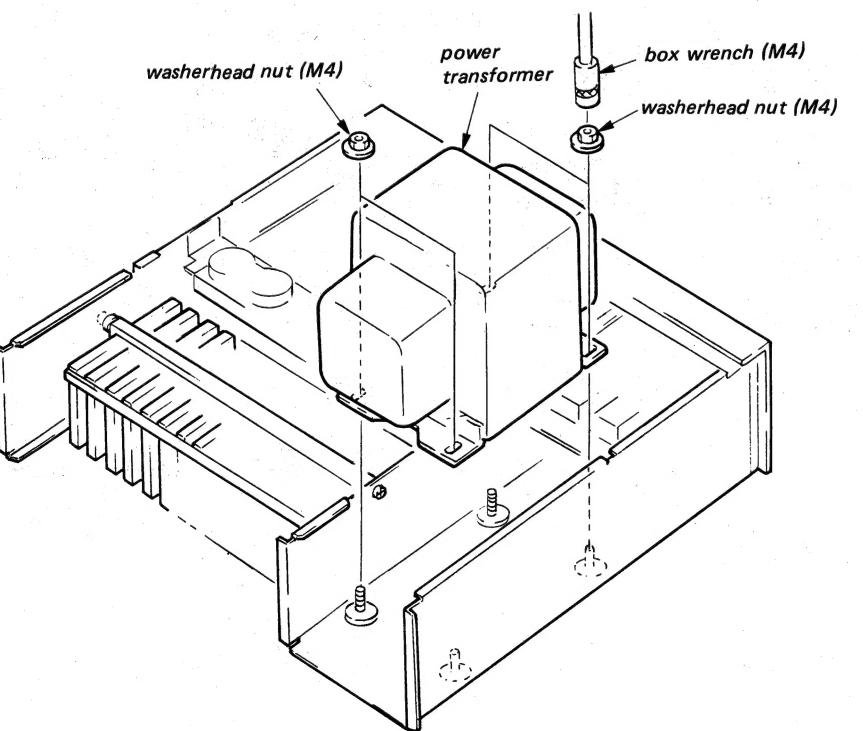
INPUT BOARD, SPEAKER TERMINAL BOARD REMOVAL



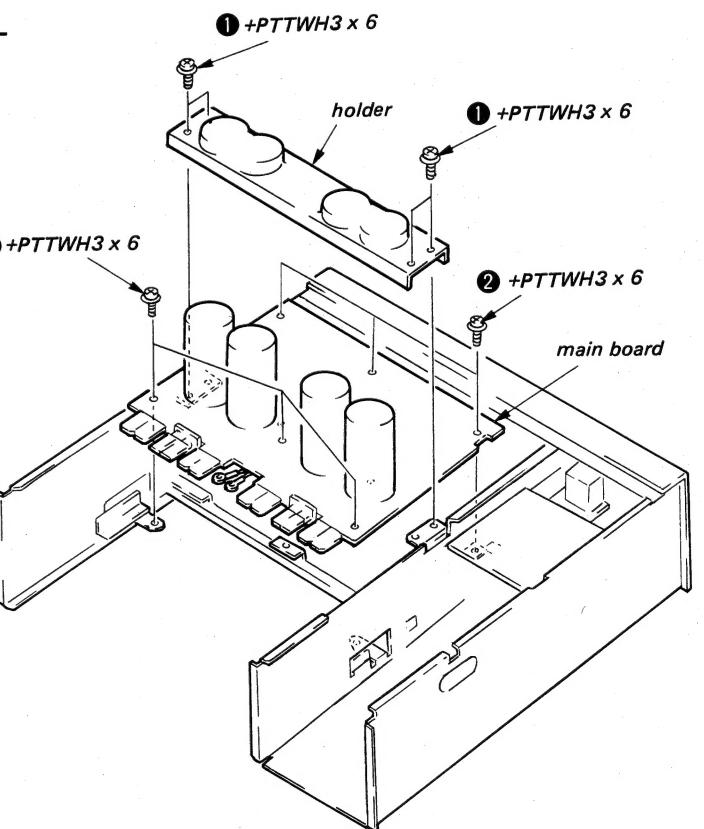
HEAT SINK REMOVAL

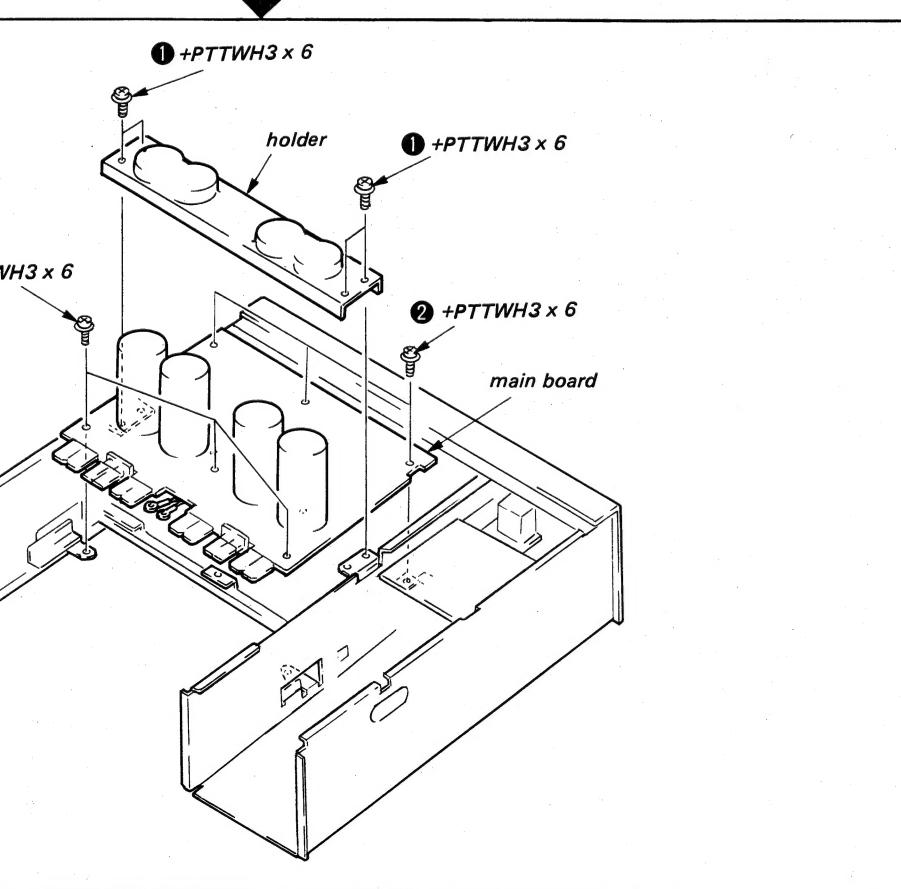
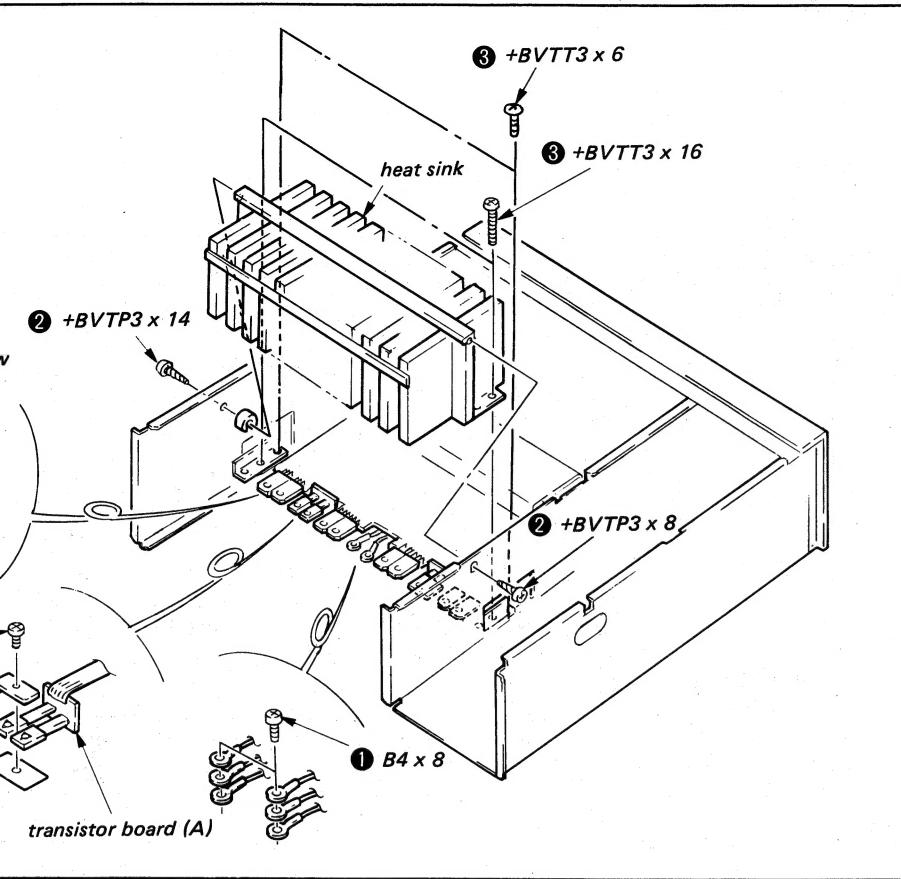


POWER TRANSFORMER REMOVAL



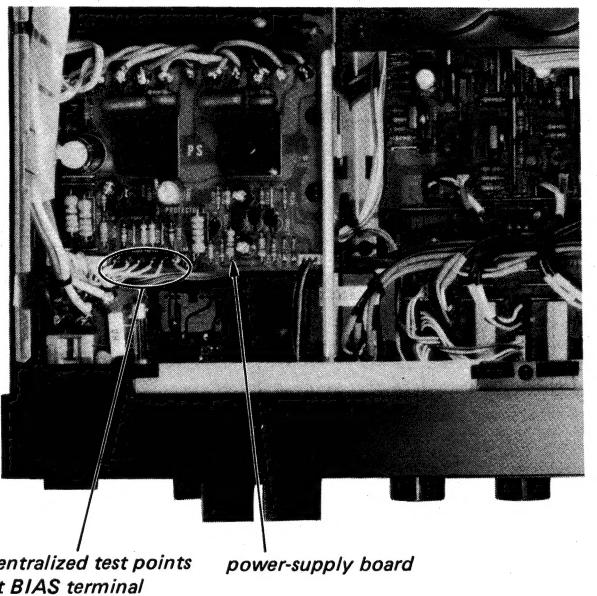
MAIN BOARD REMOVAL





Precautions:

1. This unit requires about 20 – 30 minutes as a warming-up period to obtain a stable conditions before adjustments.
2. Unless otherwise specified, set the BALANCE, TREBLE and BASS controls/switch to their center click positions.
3. All the test points are located at the BIAS terminal on the power-supply board (centralized) as shown below.
4. Turn POWER off and fully discharge electricity from these high-capacity electrolytics as C711, C712, C761, C762 (10000μF), C607, C608, C657, C658 and C703 (1000μF) by using test cripleads before using soldering iron when replacing defective components. Otherwise, strong discharging from soldering iron may occur.



DC Balance Adjustment to Power-Amplifier Section

Setting:

- ATTENUATOR switch: Fully counterclockwise (minimum) ∞
FUNCTION switch: Other than PHONO

Procedure:

1. Connect the plus test lead of VOM to L (+) and minus test lead to chassis ground, terminal G.
2. Adjust RT401 (L-CH) so that VOM reads 0 $\pm 30mV$ DC. Record the setting voltage value.
3. Connect the plus test lead of VOM to R (+) terminal and minus test lead to chassis ground, terminal G.
4. Adjust RT451 (R-CH) so that VOM reads 0 $\pm 30mV$ DC. Record the setting voltage value.

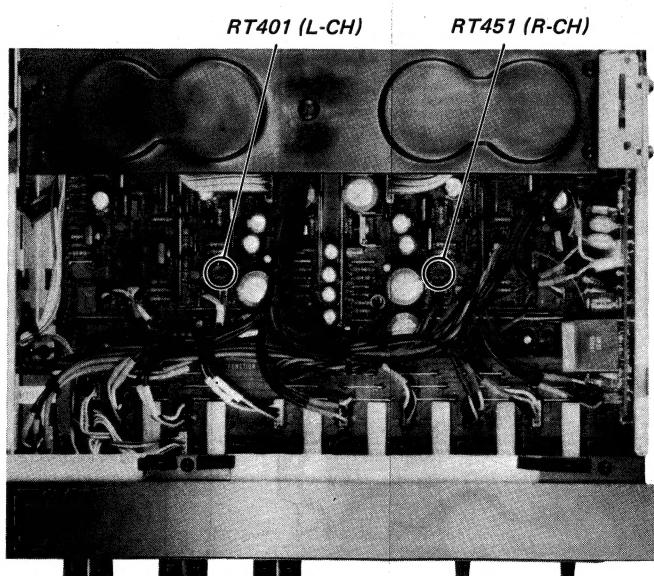
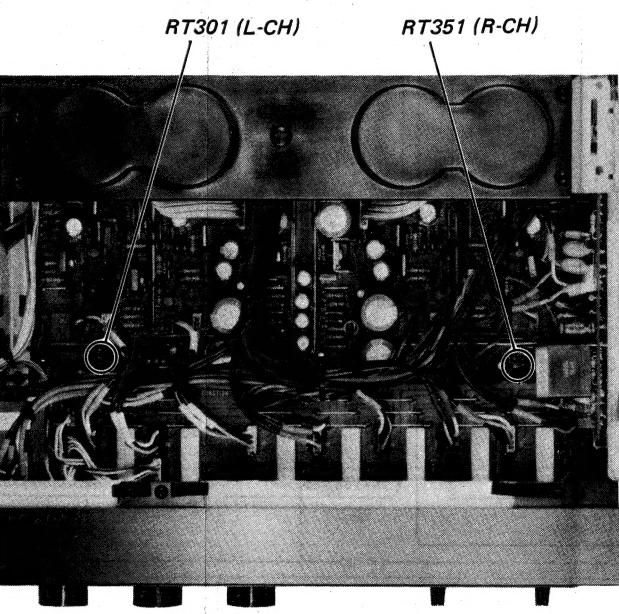
DC Balance Adjustment to V-I Amplifier

Setting:

- ATTENUATOR switch: Slowly advance from minimum position to 0dB (maximum).
FUNCTION switch: Other than PHONO

Procedure:

With VOM connected to the same test points as in the DC Balance Adjustment to Power-Amplifier Section, adjust RT301 (L-CH) and RT351 (R-CH) so that VOM reads the voltage value recorded in the adjustment to the power-amplifier section. $\pm 5mV$ off settings from those voltages for the power-amplifier section are allowable.



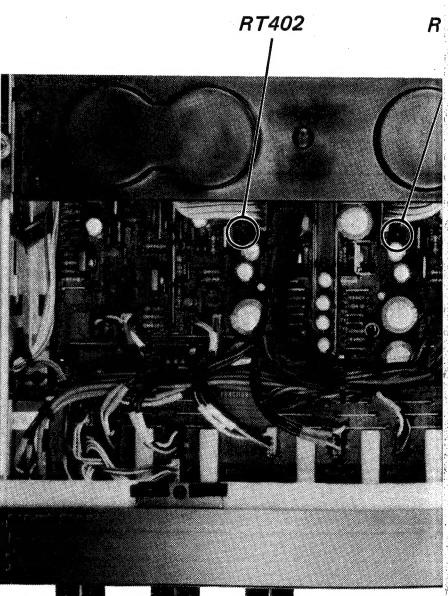
Idling Adjustment

Setting:

- ATTENUATOR switch: Fully counter-clockwise (minimum)
POWER switch: Turn off or on the unit to temperature turn it on

Procedure:

1. Connect VOM across the L (+) and R (+) terminals.
2. Turn POWER switch on. Observe VOM time passes.
 - a) Immediately after turning on 2mV
 - b) 23 seconds later and relay and the ATTENUATOR knob turned 9 – 10mV
 - c) 1 (one) minute later: 14 – 15mV
3. Run the unit for about 20 – 30 minutes to make it stable.
4. Adjust RT402 (L-CH) so that VOM $\pm 2mV$.
5. Connect VOM across the R (+) and L (+) terminals and adjust RT452 (R-CH) so that VOM $15mV \pm 2mV$ likewise.



to V-I Amplifier

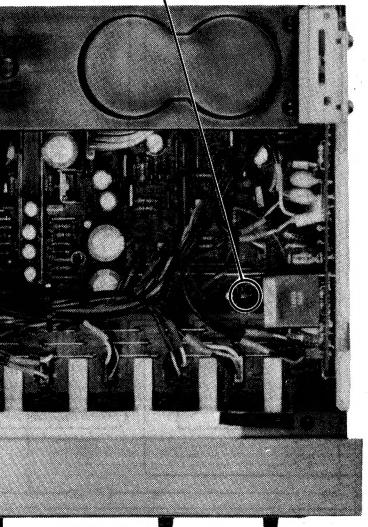
ch: Slowly advance from minimum position to 0dB (maximum).

Other than PHONO

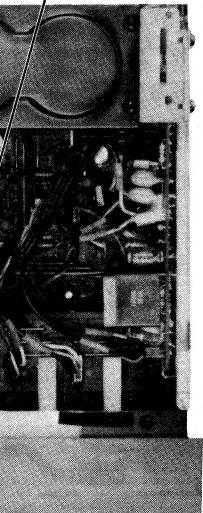
to the same test points as adjustment to Power-Amplifier (L-CH) and RT351 (R-CH) the voltage value recorded in power-amplifier section.

those voltages for the power-

(H) RT351 (R-CH)



RT451 (R-CH)

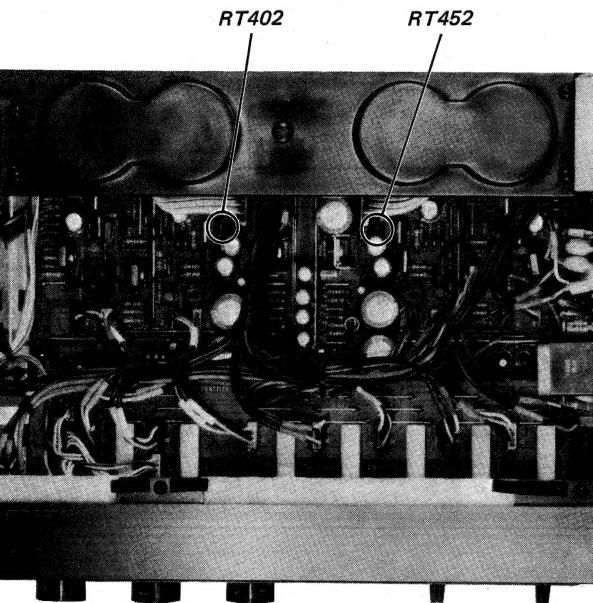
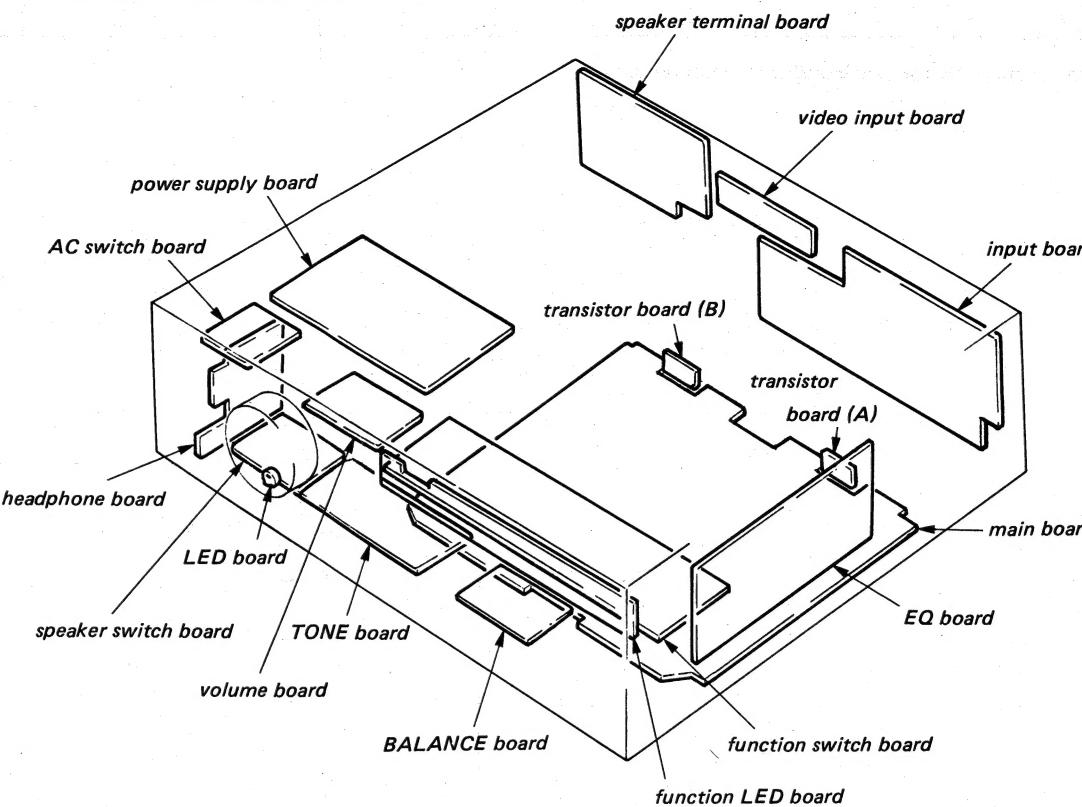
**Idling Adjustment****Setting:**

ATTENUATOR switch: Fully counterclockwise (minimum) ∞

POWER switch: Turn off once to cool off the unit to ambient temperature, and then turn it on again.

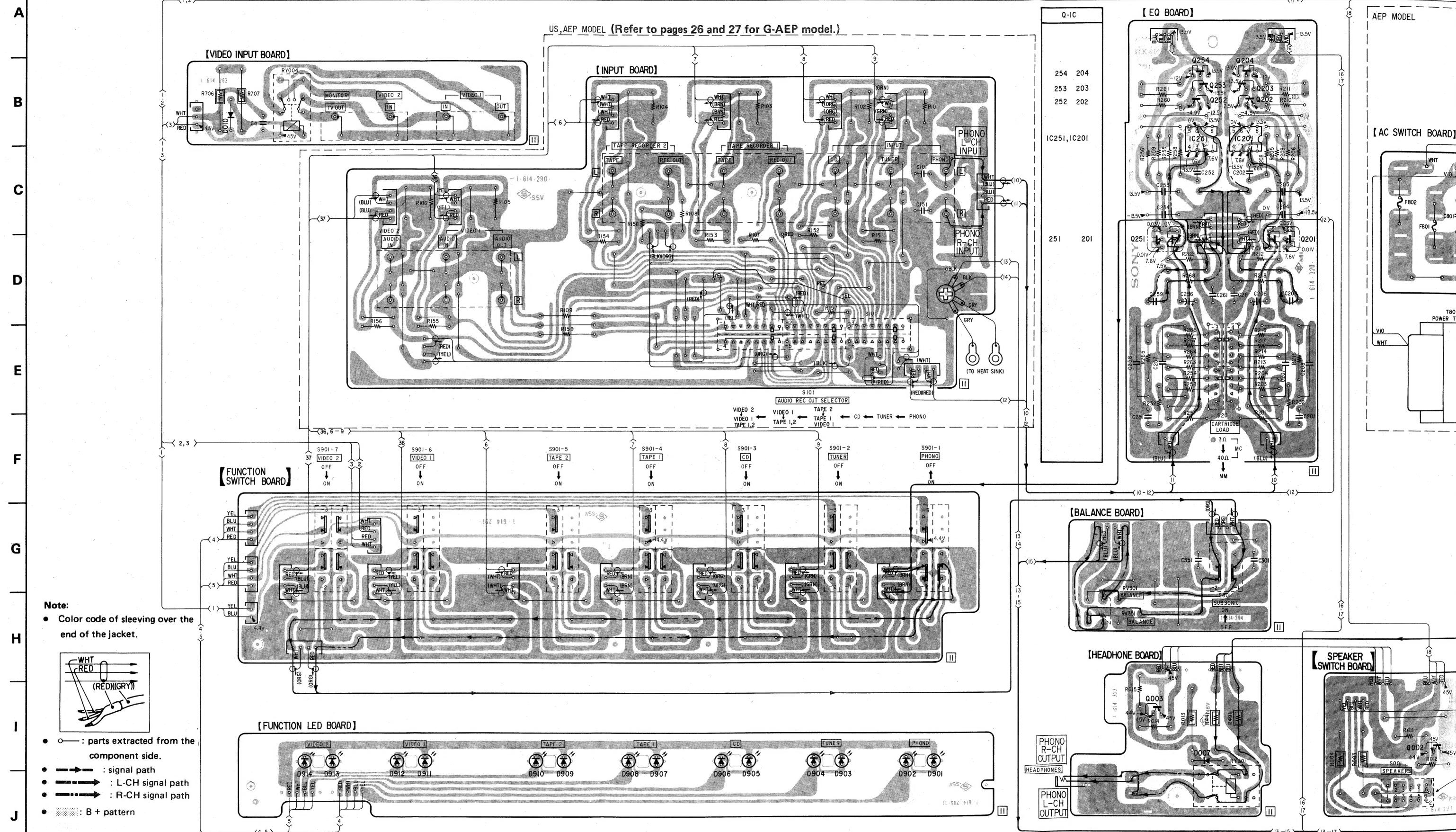
Procedure:

1. Connect VOM across the L (+) and (-) terminals.
2. Turn POWER switch on. Observe VOM reading as time passes.
 - a) Immediately after turning on the power: 2mV
 - b) 23 seconds later and relay and green lamp in the ATTENUATOR knob turned on: 9 – 10mV
 - c) 1 (one) minute later: 14 – 15mV
3. Run the unit for about 20 – 30 minutes in this condition to make it stable.
4. Adjust RT402 (L-CH) so that VOM reads 15mV ± 2 mV.
5. Connect VOM across the R (+) and (-) terminals, and adjust RT452 (R-CH) so that VOM reads 15mV ± 2 mV likewise.

**CIRCUIT BOARDS LOCATION****Semiconductor Lead Layout**

1SS202-1 cathode anode	PB112E —	CX20198 μPC1237H 1 2 3 4 5	2SA835 —	μPA68H-M D1 G1 S1 S2 G2 D2
EQB01-06 — cathode anode	STV-2H mark cathode anode	2SK246GR 2SK246GR2 S G D	2SA939 2SA1142 2SC2071 2SC2682 letter side	2SA1386 2SC3519 B C E
10E-2 EQA01-06R2 EQA01-35 — cathode anode	GL-5NG27 anode cathode	2SA733 2SC945-P E C B	2SA985-P 2SA1383-Q 2SA2275-P 2SC3514-Q E C B	GL-5NP5 anode 1 cathode 2 (RED)
HZ16-1L RD10E-B2 — cathode anode	NE5534P TL081CP 8 7 6 5 1 2 3 4 (Top view)	2SK146-BL E C B	2SA995 E1 C1 E2 C2	

(Refer to page 15 for semiconductor lead layouts.)



12

13

14

15

16

17

13

1

4

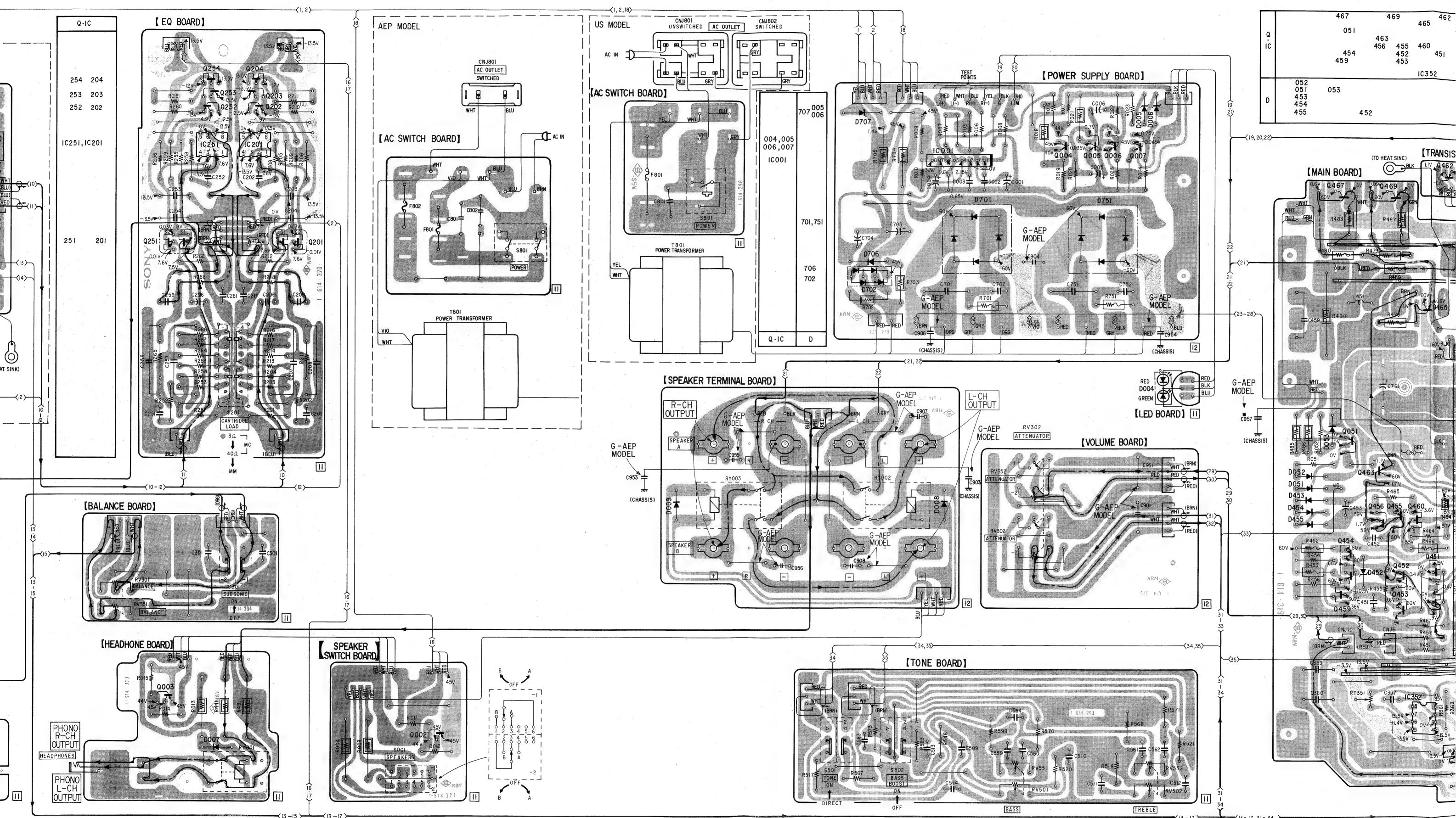
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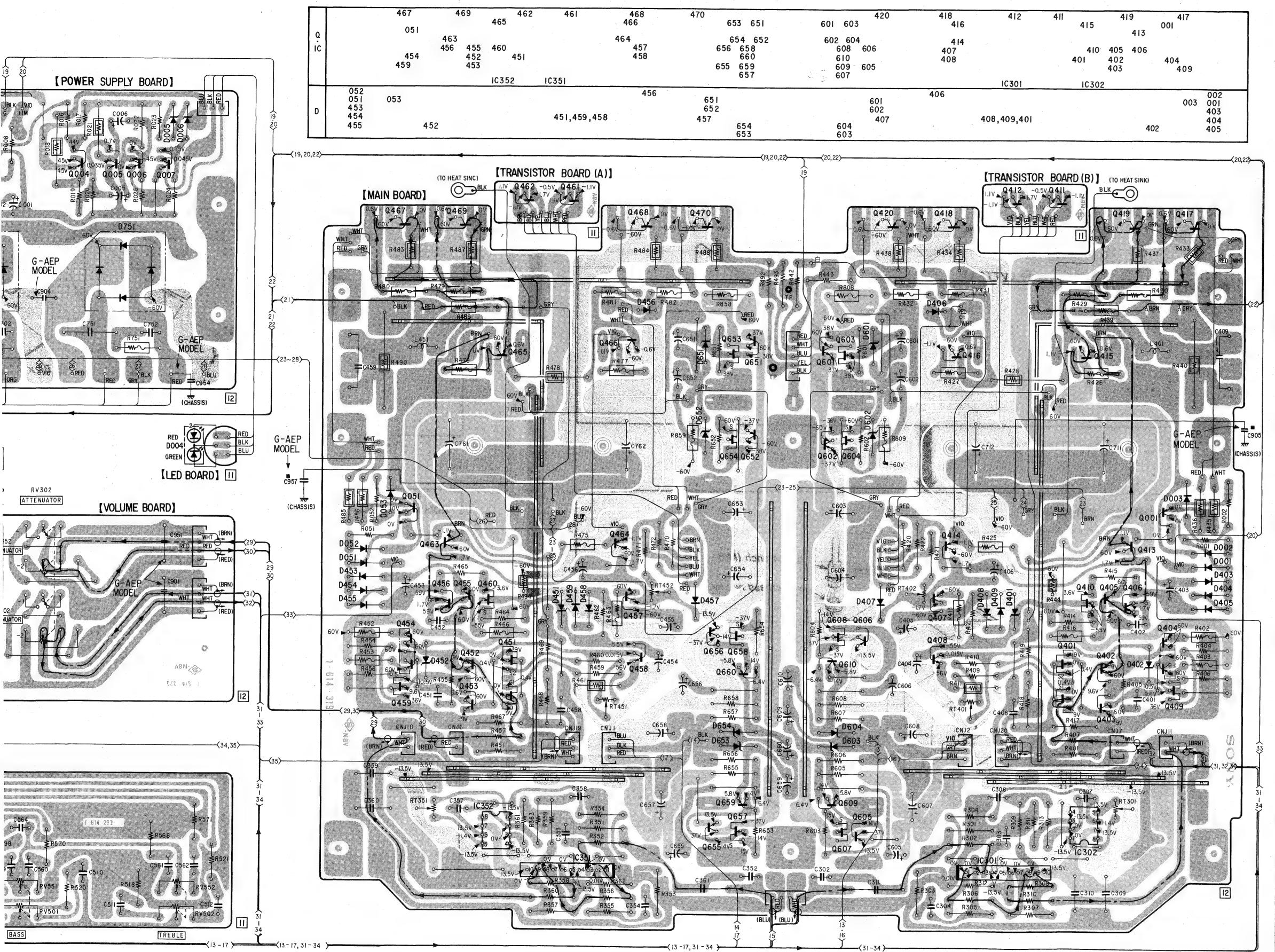
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2

2

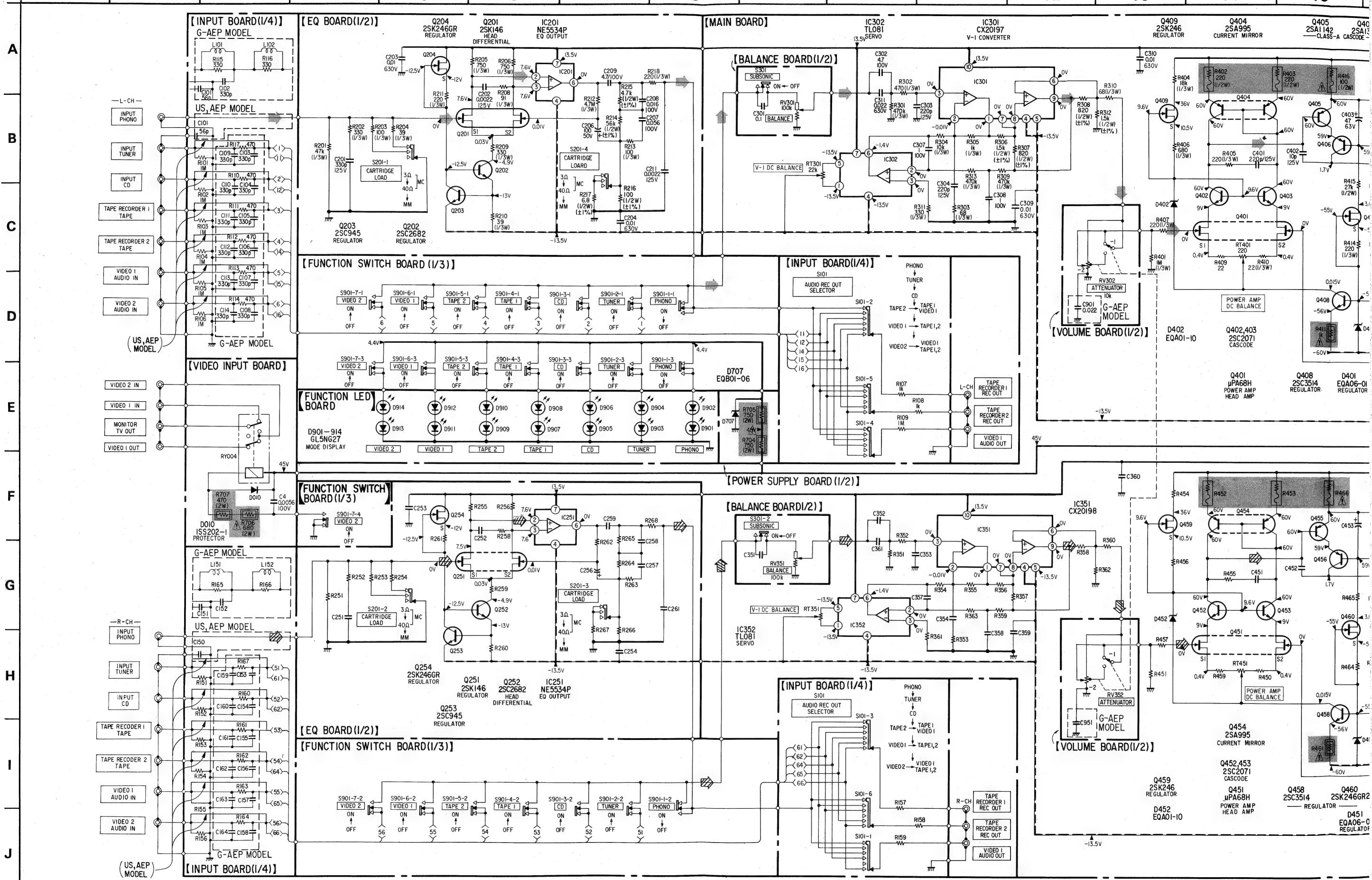




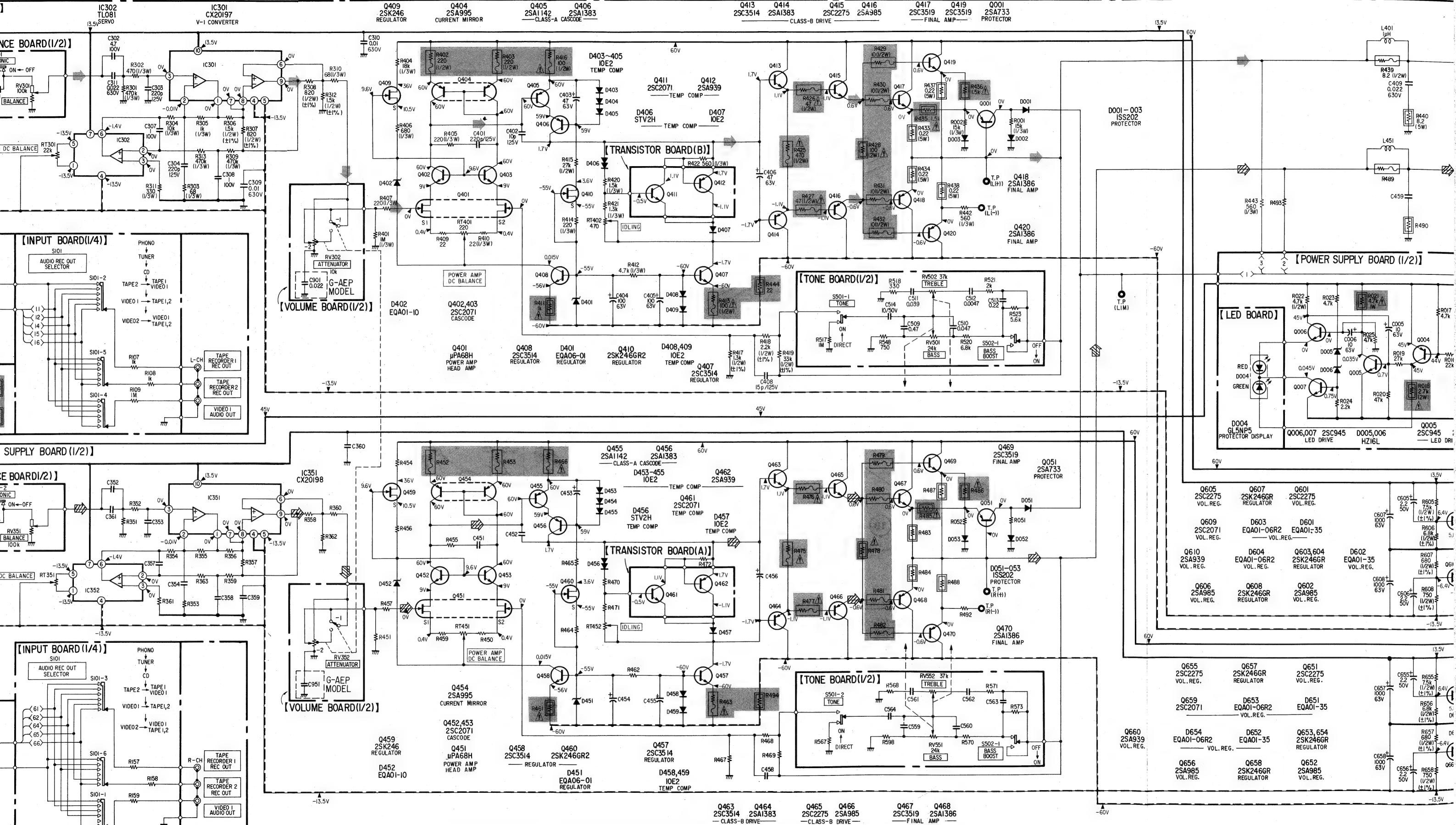
TA-F555ES II TA-F555ES II

4-2. SCHEMATIC DIAGRAM (Refer to page 27 for notes.)

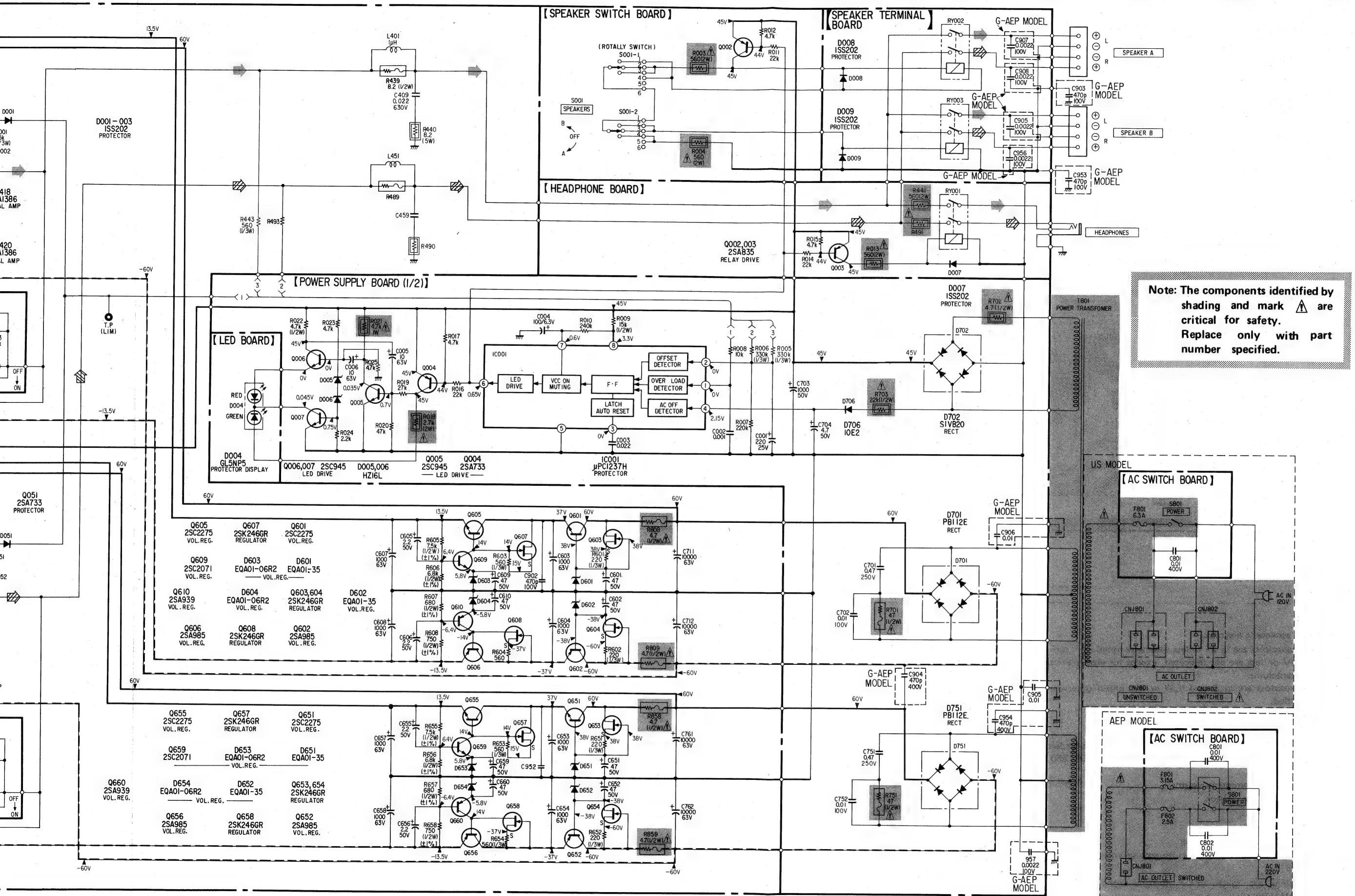
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

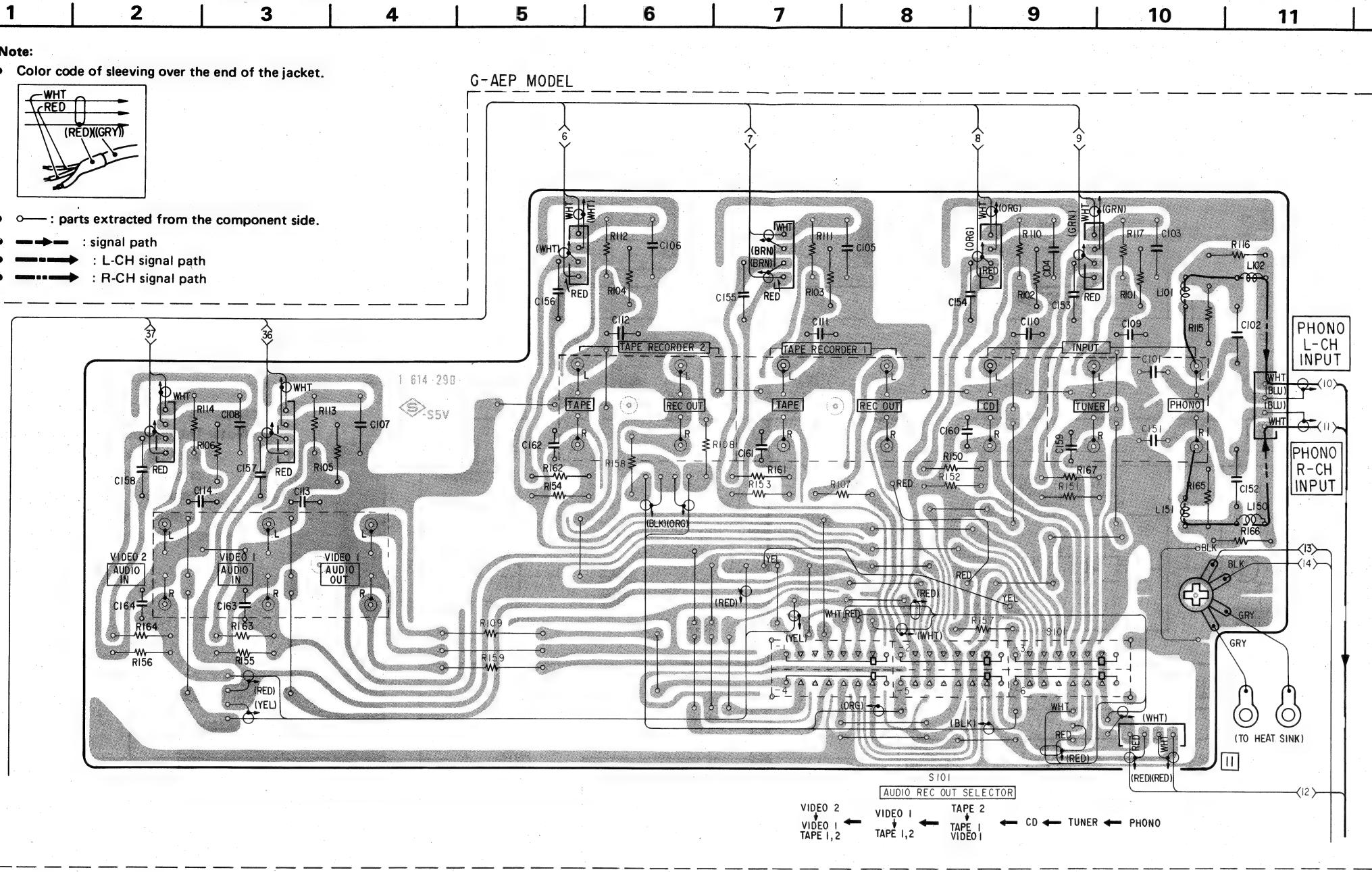


10 | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25**



21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

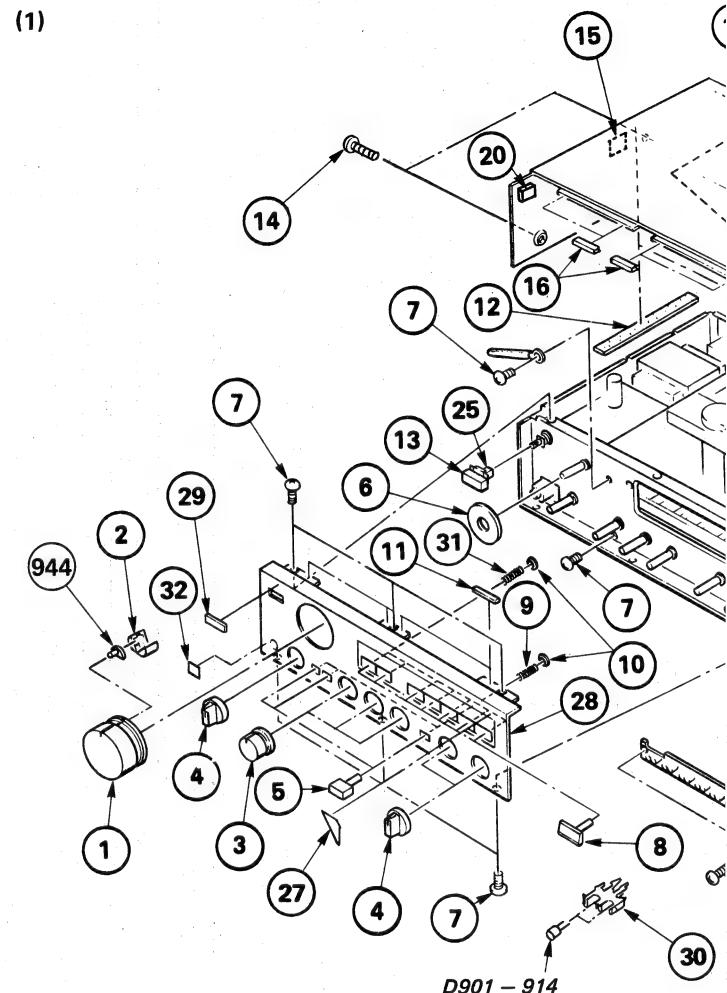




NOTE:
The mechanical parts with no reference number in the exploded views are not supplied.

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The construction parts part are indicated with number in the remark column.



Note on schematic diagram:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- : L-CH signal path
- : R-CH signal path
- Components for right channel have same values as for left channel. Reference numbers are coded from 150, 250, 350, 450, 550.
- W— : nonflammable resistor.
- WW— : fusible resistor.
- B+— : B+ bus.
- B-— : B- bus.
- ADJ— : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50k Ω /V).

- Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S001	SPEAKERS	OFF
S101	AUDIO REC OUT SELECTOR	PHONO
S201	CARTRIDGE LOAD	3Ω
S301	SUBSONIC	OFF
S501	TONE	OFF
S502	BASS BOOST	OFF
S801	POWER	OFF
S901-1	PHONE	OFF
S901-2	TUNER	OFF
S901-3	CD	OFF
S901-4	TAPE 1	OFF
S901-5	TAPE 2	OFF
S901-6	VIDEO 1	OFF
S901-7	VIDEO 2	OFF

No.	Part No.	Description	Remarks
1	X-4885-908-1	KNOB (NA-50) ASSY, R	18
2	*4-901-919-00	HOUSE, LED LAMP	19
3	4-885-971-01	KNOB (NA-25), R	20
4	4-885-972-01	KNOB (NA-25), FLAT	21
5	4-885-956-01	KNOB, PUSH	22
6	3-533-938-00	CLOTH	23
7	7-685-751-09	SCREW +BVTT 3X6 (S)	24
8	X-4885-913-1	T.KNOB ASSY	25
9	4-866-652-00	SPRING, COMPRESSION	26
10	4-862-338-00	RING, STOPPER	27
11	9-911-845-XX	CUSHION, COUNTER	28
12	4-848-642-00	CUSHION, VIBRATION	29
13	X-4885-901-0	KNOB ASSY, POWER	30
14	4-889-321-11	SCREW	31
15	*4-901-907-01	CUSHION	32
16	3-831-441-XX	CUSHION, SPEAKER	33
17	4-885-965-01	CASE	34

SECTION 5 EXPLODED VIEWS AND PARTS LIST

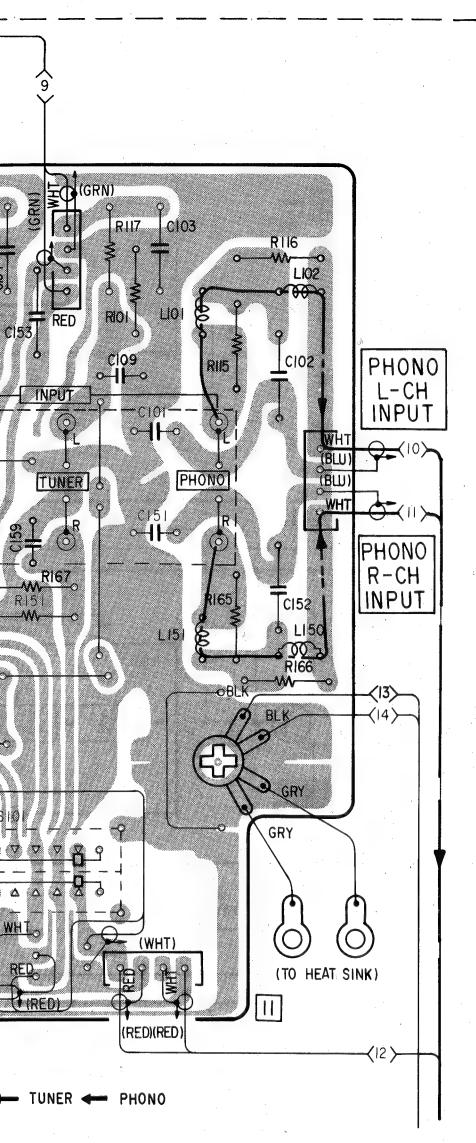
NOTE:

The mechanical parts with no reference number in the exploded views are not supplied.

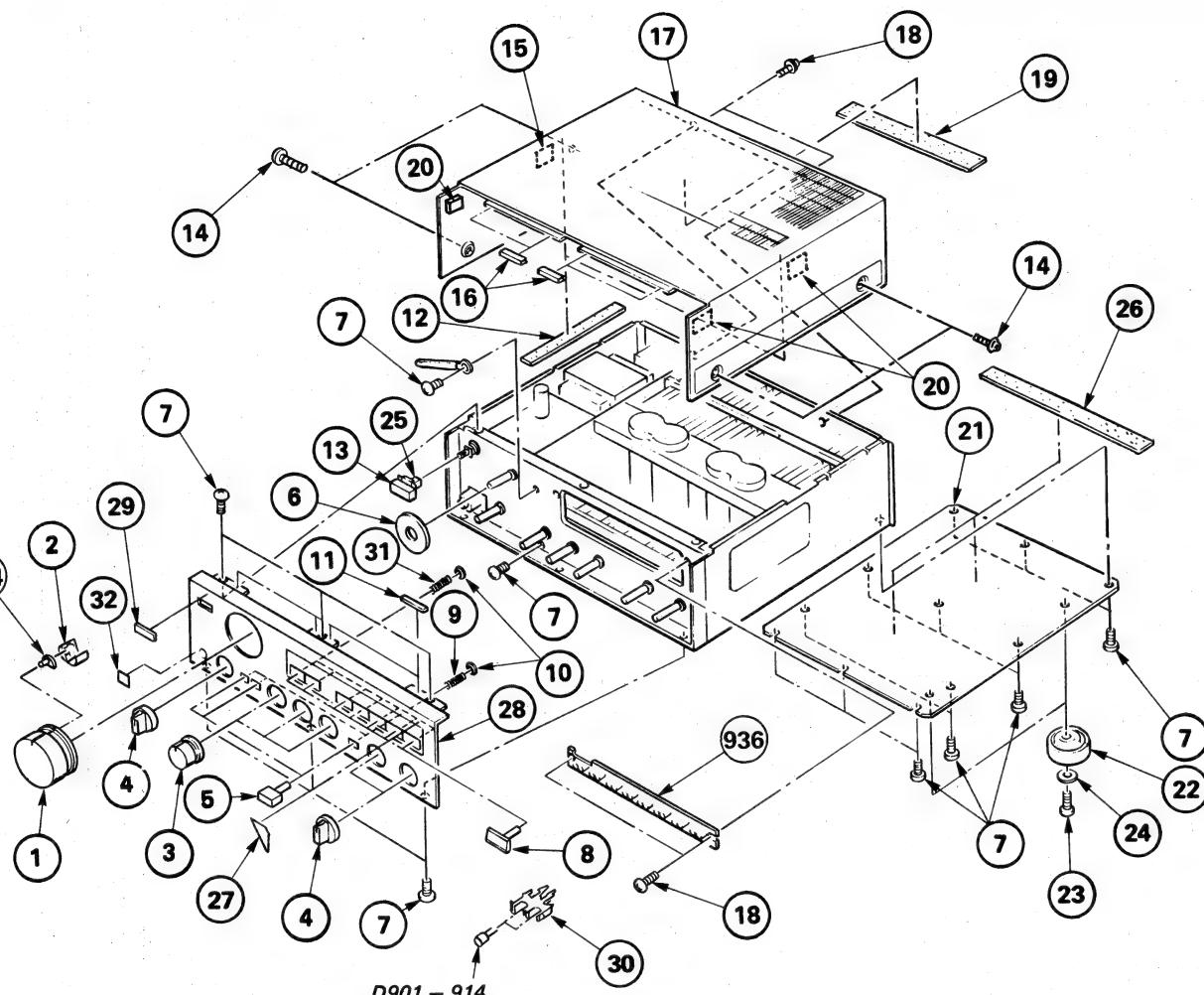
Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

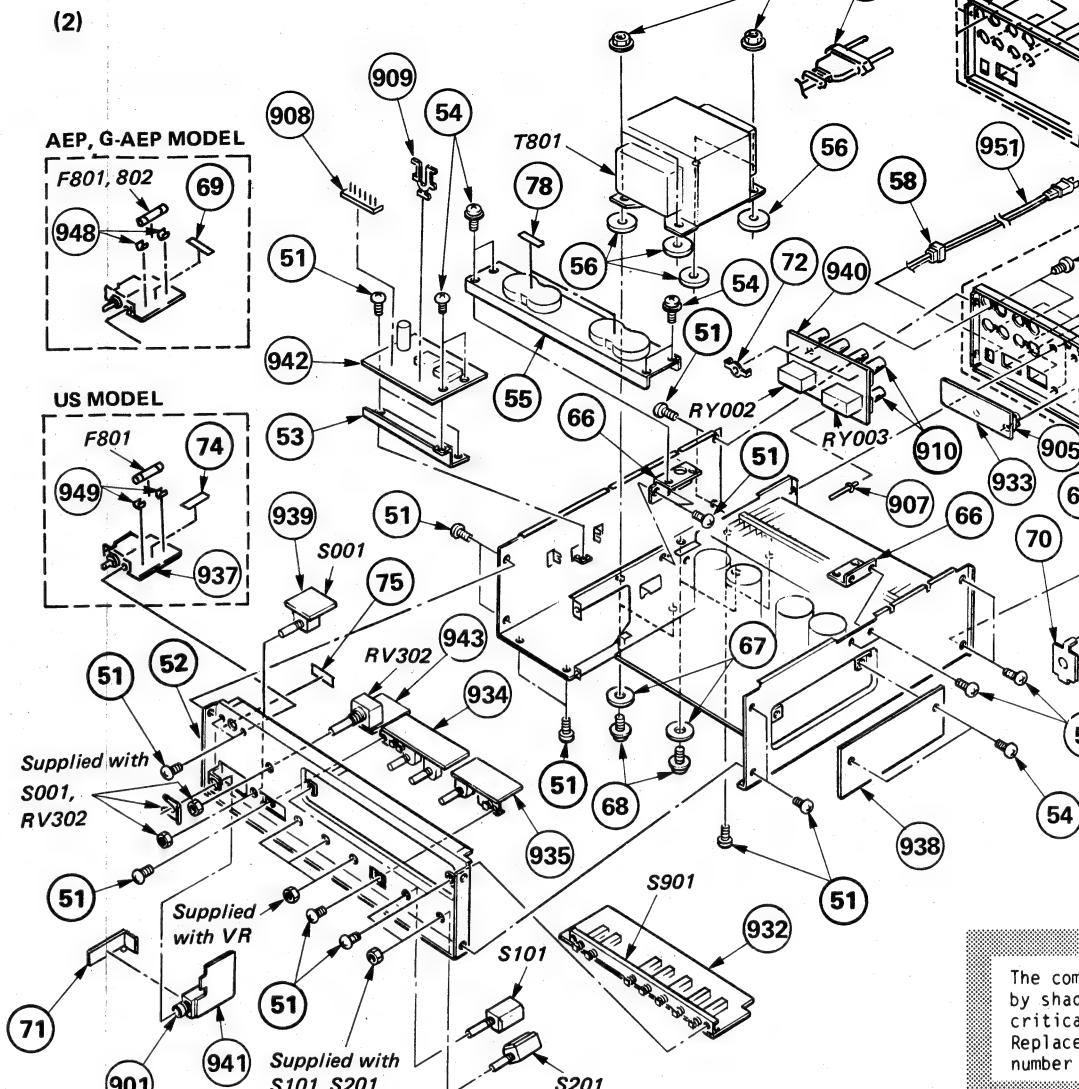


(1)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-4885-908-1	KNOB (NA-50) ASSY, R		18	3-703-249-11	SCREW, S TIGHT, +PTTWH 3X6	
2	*4-901-919-00	HOUSE, LED LAMP		19	*4-885-983-21	SHEET	
3	4-885-971-01	KNOB (NA-25), R		20	*4-901-907-11	CUSHION	
4	4-885-972-01	KNOB (NA-25), FLAT		21	*4-885-967-01	PLATE, BOTTOM	
5	4-885-956-01	KNOB, PUSH		22	4-885-985-01	LEG	
6	3-533-938-00	CLOTH		23	7-685-872-09	SCREW +BVTT 3X8 (S)	
7	7-685-751-09	SCREW +BVTT 3X6 (S)		24	7-688-004-12	W 4, MIDDLE	
8	X-4885-913-1	T.KNOB ASSY		26	*4-885-983-01	SHEET	
9	4-866-652-00	SPRING, COMPRESSION		28	X-4885-914-3	PANEL ASSY	
10	4-862-338-00	RING, STOPPER		29	3-304-974-01	EMBLEM, SONY	
11	9-911-845-XX	CUSHION, COUNTER		30	*4-905-210-01	HOLDER, LED	
12	4-848-642-00	CUSHION, VIBRATION		31	2-267-020-00	SPRING, COMPRESSION	
13	X-4885-901-0	KNOB ASSY, POWER		32	3-703-710-41	STICKER, SONY SYMBOL (12)	
14	4-889-321-11	SCREW		33	4-889-813-00	STICKER (C)	
15	*4-901-907-01	CUSHION		34	4-866-342-00	JOINT (B), KNOB	
16	3-831-441-XX	CUSHION, SPEAKER		944	*1-614-326-11	PC BOARD, LED	
17	4-885-965-01	CASE		952	*1-614-295-11	PC BOARD, LED (F)	

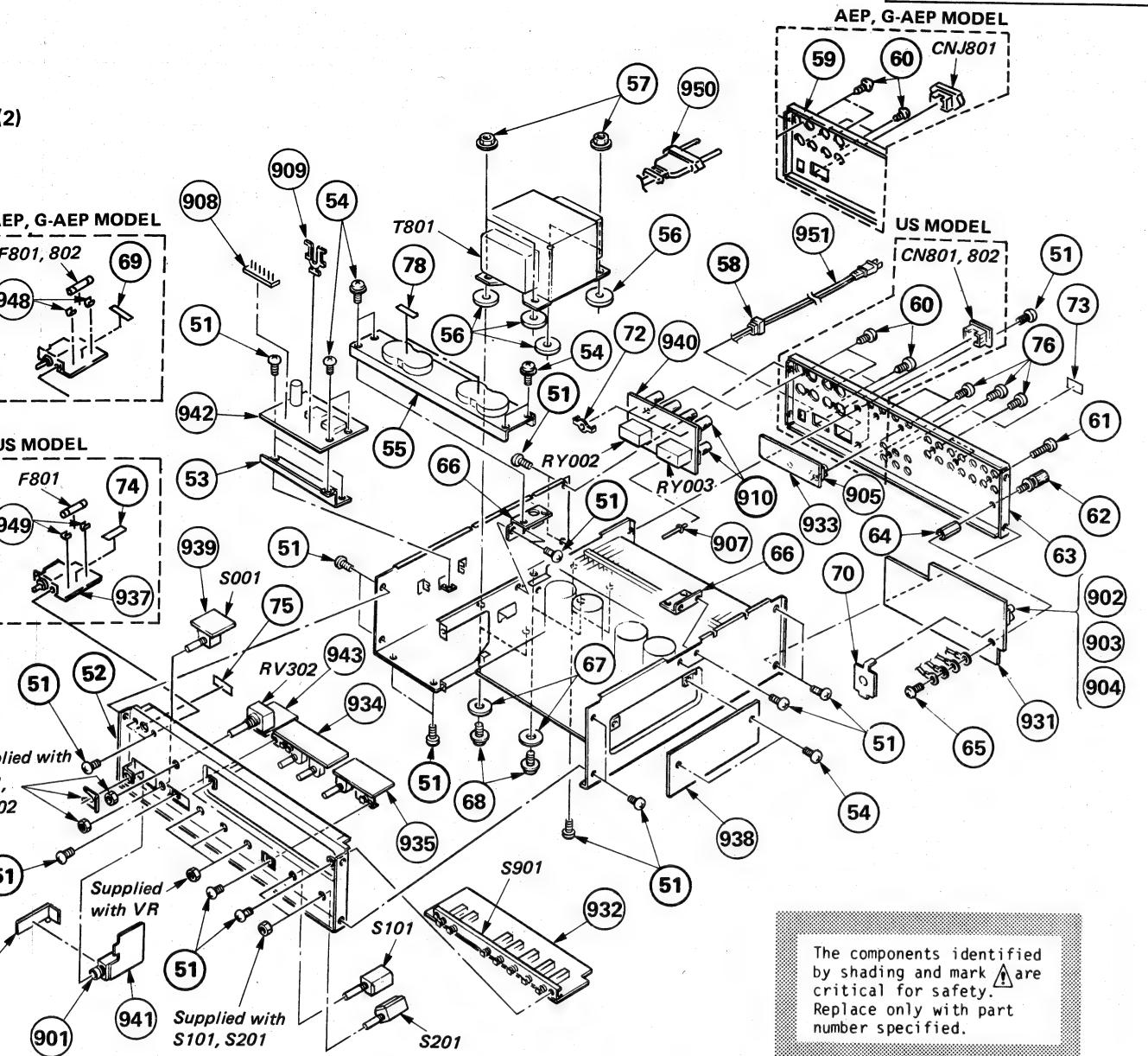
29



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-685-751-09	SCREW +BVTT 3X6 (S)		901	1-507-669-00	JACK (HEADPHONES)	
52	*4-885-993-31	CHASSIS, SUB		902	1-507-830-00	JACK, PIN 4P (PHONE)	
53	*4-885-980-01	REINFORCEMENT		903	1-507-830-21	JACK, PIN 4P (TAPE)	
54	3-703-249-11	SCREW, S TIGHT, +PTTWH 3X6		904	1-507-831-00	JACK, PIN 6P (TAPE)	
55	*4-885-988-01	HOLDER		905	1-562-916-11	JACK, PIN 2P (VIDEO)	
56	*4-885-984-01	WASHER		906	1-508-809-00	BASE POST (14MM) 21	
57	4-860-368-00	NUT (M4), WASHER		907	1-535-108-00	GT PIN	
58	3-703-244-00	BUSHING (2104), CORD		908	*1-535-119-00	TERMINAL	
59	*4-885-969-31	(AEP, G-AEP)...PLATE, JACK		909	*1-535-444-00	TERMINAL	
60	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		910	1-536-767-00	TERMINAL BOARD, SPI	
61	4-887-711-21	SCREW, TERMINAL, CLAW, + BVTP		931	*1-614-290-11	PC BOARD, INPUT	
62	X-4854-207-0	TERMINAL ASSY, GROUND		932	*1-614-291-11	PC BOARD, FUNCTION	
63	*4-885-969-22	(US)...PLATE, JACK		933	*1-614-292-11	PC BOARD, VIDEO	
64	*2-280-622-51	SUPPORT (M3), HEXAGON		934	*1-614-293-11	PC BOARD, TONE	
65	2-259-121-21	SCREW, TR		935	*1-614-294-11	PC BOARD, BALANCE	
66	*4-885-981-11	BRACKET		937	*1-615-518-11	(AEP, G-AEP)...PC BO	
67	3-610-931-31	SPACER, SHAFT, DRUM, HEAD		938	*1-614-296-11	(US)...PC BO	
68	7-682-964-09	SCREW +PSW 4X14		939	*1-614-321-11	PC BOARD, SP	
69	*3-701-948-19	(AEP, G-AEP)...LABEL, FUSE		940	*1-614-322-11	PC BOARD, SP TERMINI	
70	*4-835-639-00	PLATE, GROUND		941	*1-614-323-11	PC BOARD, HEADPHONE	
71	*4-904-909-01	PLATE (A), SHIELD		942	*1-614-324-11	PC BOARD, PS	
72	*4-843-416-11	PLATE, FIXED, CAP		943	*1-614-325-11	PC BOARD, VR	
73	*4-908-817-01	(US)...LABEL, MODEL NUMBER (U2)		948	*1-533-131-00	(AEP, G-AEP)...HOLDI	
74	*4-908-818-01	(AEP)...LABEL, MODEL NUMBER (AE1)		949	1-517-072-00	(US)...LAMP HOLDER	
75	*4-908-819-01	(G-AEP)...LABEL, MODEL NUMBER (AE4)		950	A.1-555-795-00	(AEP, G-AEP)...CORD	
76	3-701-946-28	(US)...LABEL, FUSE		951	A.1-557-577-11	(US)...CORD	
77	*4-908-826-01	(AEP, G-AEP)...SPACER, INSULATING					
78	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S					
	2-212-427-00	CUSHION					

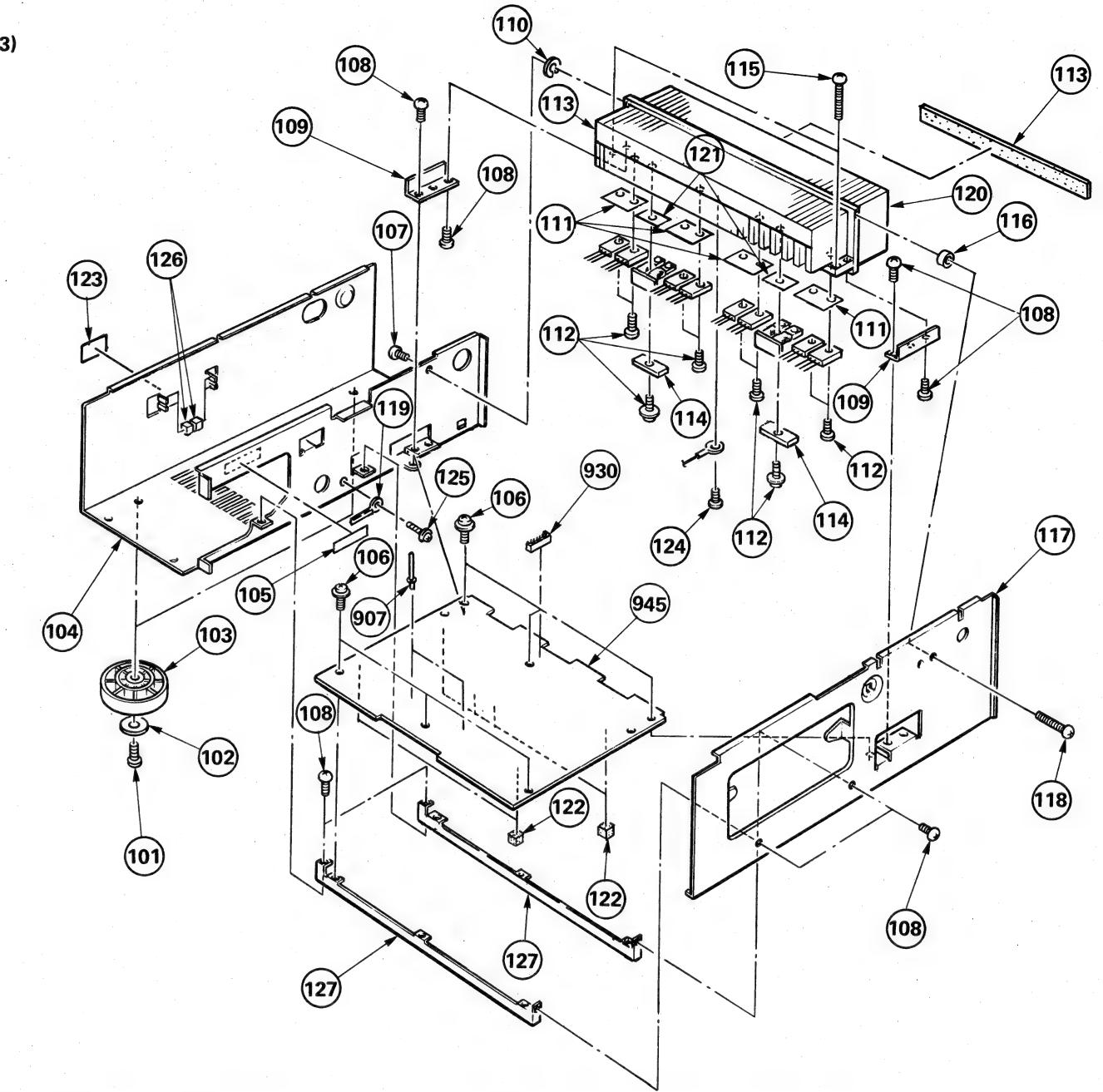
TA-F555ES II

TA-F555ES II

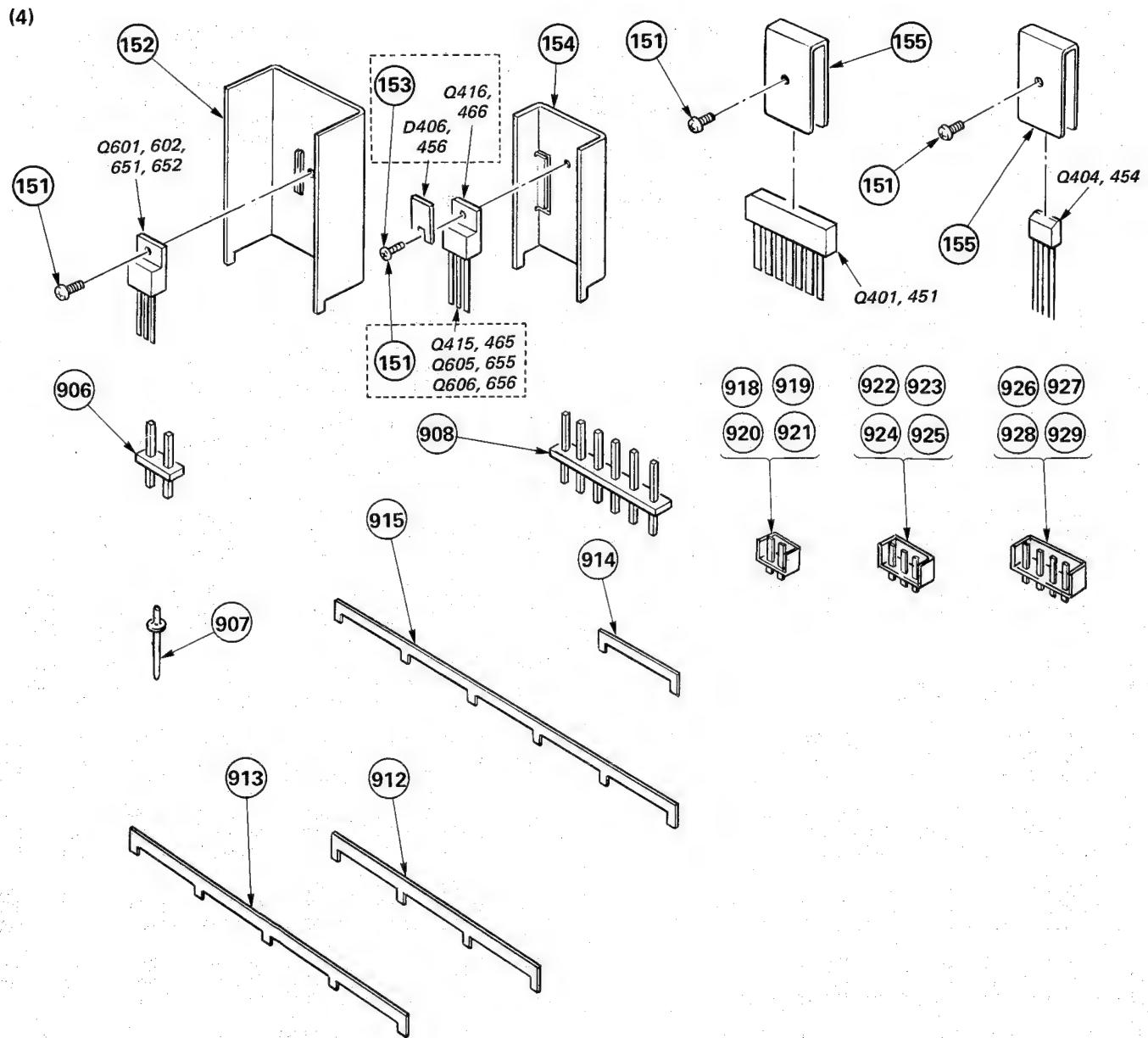


The components identified by shading and mark  are critical for safety. Replace only with part number specified.

No.	Description	Remarks	No.	Part No.	Description	Remarks
35-751-09	SCREW +BVTT 3X6 (S)		901	1-507-669-00	JACK (HEADPHONES)	
35-993-31	CHASSIS, SUB		902	1-507-830-00	JACK, PIN 4P (PHONO,TUNER)	
35-980-01	REINFORCEMENT		903	1-507-830-21	JACK, PIN 4P (TAPE RECORDER 2)	
03-249-11	SCREW, S TIGHT, +PTTWH 3X6		904	1-507-831-00	JACK, PIN 6P (TAPE RECORDER 1 CD) (AUDIO IN,OUT)	
35-988-01	HOLDER		905	1-562-916-11	JACK, PIN 2P (VIDEO 1,VIDEO 2,MONITOR)	
35-984-01	WASHER		906	1-508-809-00	BASE POST (14MM) 2P	
30-368-00	NUT (M4), WASHER		907	1-535-108-00	GT PIN	
33-244-00	BUSHING (2104), CORD		908	*1-535-119-00	TERMINAL	
5-969-31	(AEP,G-AEP)...PLATE, JACK		909	*1-535-444-00	TERMINAL	
5-646-79	SCREW +BVTP 3X8 TYPE2 N-S		910	1-536-767-00	TERMINAL BOARD, SPEAKER	
7-711-21	SCREW, TERMINAL, CLAW, + BVTP		931	*1-614-290-11	PC BOARD, INPUT	
54-207-0	TERMINAL ASSY, GROUND		932	*1-614-291-11	PC BOARD, FUNCTION	
5-969-22	(US)...PLATE, JACK		933	*1-614-292-11	PC BOARD, VIDEO	
0-622-51	SUPPORT (M3), HEXAGON		934	*1-614-293-11	PC BOARD, TONE	
9-121-21	SCREW, TR		935	*1-614-294-11	PC BOARD, BALANCE	
5-981-11	BRACKET		937	*1-615-518-11 *1-614-296-11	(AEP,G-AEP)...PC BOARD, AC SWITCH (US).....PC BOARD, AC SWITCH	
0-931-31	SPACER, SHAFT, DRUM, HEAD		938	*1-614-320-11	PC BOARD, EQ	
2-964-09	SCREW +PSW 4X14		939	*1-614-321-11	PC BOARD, SP SWITCH	
1-948-19	(AEP,G-AEP)...LABEL, FUSE		940	*1-614-322-11	PC BOARD, SP TERMINAL	
5-639-00	PLATE, GROUND		941	*1-614-323-11	PC BOARD, HEADPHONE	
4-909-01	PLATE (A), SHIELD		942	*1-614-324-11	PC BOARD, PS	
3-416-11	PLATE, FIXED, CAP		943	*1-614-325-11	PC BOARD, VR	
8-817-01	(US).....LABEL, MODEL NUMBER (U2)		948	*1-533-131-00	(AEP,G-AEP)...HOLDER, FUSE	
8-818-01	(AEP).....LABEL, MODEL NUMBER (AE1)		949	1-517-072-00	(US)....LAMP HOLDER	
8-819-01	(G-AEP)...LABEL, MODEL NUMBER (AE4)		950	▲.1-555-795-00	(AEP,G-AEP)...CORD, POWER	
1-946-28	(US)...LABEL, FUSE		951	▲.1-557-577-11	(US).....CORD, POWER	
3-826-01	(AEP,G-AEP)...SPACER, INSULATING					
5-647-79	SCREW +BVTP 3X10 TYPE2 N-S					
2-427-00	CUSHION					



<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>	<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
01	7-685-872-09	SCREW +BVTT 3X8 (S)		117	*4-885-963-01	PLATE, SIDE, RIGHT	
02	7-688-004-12	W 4, MIDDLE		118	7-685-649-19	SCREW +BVTP 3X14 TYPE2 N-S	
03	4-885-985-01	LEG		119	*3-701-822-00	HOLDER, WIRE	
04	*4-885-966-21	PLATE, SIDE, LEFT		120	*4-885-994-01	HEAT SINK	
05	*3-701-030-00	LABEL, SERIAL NUMBER		121	4-885-999-01	SHEET, INSULATING	
06	3-703-249-11	SCREW, S TIGHT, +PTTWH 3X6		122	*4-908-810-12	CUSHION	
07	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		123	*3-703-044-26	(US)...LABEL, CAUTION	
08	7-685-751-09	SCREW +BVTT 3X6 (S)		124	7-682-561-10	SCREW +B 4X8	
09	*4-885-982-01	BRACKET, HEAT SINK		129	*4-889-824-00	CHANNEL	
10	4-908-811-01	SPACER		130	9-911-845-XX	CUSHION, COUNTER	
11	4-901-949-01	SHEET, INSULATING		131	4-908-816-11	SCREW (3.5X6) (G), TAPPING	
12	2-259-121-21	SCREW, TR		907	1-535-108-00	GT PIN	
13	*4-885-983-11	SHEET		945	*A-4388-461-A	(US,AEP)...MOUNTED PCB, MAIN	
14	*4-879-920-00	SPACER, HEAT SINK			*A-4388-462-A	(G-AEP)...MOUNTED PCB, MAIN	
15	7-685-876-09	SCREW +BVTT 3X16 (S)		930	*1-564-508-11	PLUG, CONNECTOR 5P	
16	4-908-809-01	SPACER					



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	2-259-121-00	SCREW, TR		918	*1-564-505-11	PLUG, CONNECTOR 2P (WHITE)	
152	*4-880-403-11	HEAT SINK		919	*1-564-505-21	PLUG, CONNECTOR 2P (BLACK)	
153	2-259-121-11	SCREW, TR		920	*1-564-505-31	PLUG, CONNECTOR 2P (RED)	
154	*3-309-144-01	HEAT SINK		921	*1-564-505-41	PLUG, CONNECTOR 2P (YELLOW)	
155	*4-866-080-11	HEAT SINK		922	*1-564-506-11	PLUG, CONNECTOR 3P (WHITE)	
906	*1-508-809-00	BASE POST (14MM) 2P		923	*1-564-506-21	PLUG, CONNECTOR 3P (BLACK)	
907	1-535-108-00	GT PIN		924	*1-564-506-31	PLUG, CONNECTOR 3P (RED)	
908	*1-535-119-00	TERMINAL		925	*1-564-506-41	PLUG, CONNECTOR 3P (YELLOW)	
912	*1-560-242-21	BUS BAR 4P		926	*1-564-507-11	PLUG, CONNECTOR 4P (WHITE)	
913	*1-560-242-31	BUS BAR 5P		927	*1-564-507-21	PLUG, CONNECTOR 4P (BLACK)	
914	*1-560-242-61	BUS BAR 2P		928	*1-564-507-31	PLUG, CONNECTOR 4P (RED)	
915	*1-560-242-71	BUS BAR 6P		929	*1-564-507-41	PLUG, CONNECTOR 4P (YELLOW)	

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: $\mu\mu$ F.

RESISTORS

- All resistors are in ohms.
- F : nonflammable

COILS

MMH : mH, UH : μ H

SEMICONDUCTORS

In each case, U : μ , for example:UA...: μ A..., UPA...: μ PA..., UPC...: μ PC,
UPD...: μ PD...

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	1-507-669-00	JACK (HEADPHONES)
902	1-507-830-00	JACK, PIN 4P (PHONO,TUNER)
903	1-507-830-21	JACK, PIN 4P (TAPE RECORDER 2)
904	1-507-831-00	JACK, PIN 6P (TAPE RECORDER 1 CD) (AUDIO IN,OUT)
905	1-562-916-11	JACK, PIN 2P (VIDEO 1,VIDEO 2,MONITOR)
906	*1-508-809-00	BASE POST (14MM) 2P
907	1-535-108-00	GT PIN
908	*1-535-119-00	TERMINAL
909	*1-535-444-00	TERMINAL
910	1-536-767-00	TERMINAL BOARD, SPEAKER
911	*1-562-251-00	SOCKET, CONNECTOR 6P
912	*1-560-242-21	BUS BAR 4P
913	*1-560-242-31	BUS BAR 5P
914	*1-560-242-61	BUS BAR 2P
915	*1-560-242-71	BUS BAR 6P
916	*1-562-249-00	SOCKET, CONNECTOR 4P
917	*1-562-327-00	SOCKET, CONNECTOR 3P
918	*1-564-505-11	PLUG, CONNECTOR 2P (WHITE)
919	*1-564-505-21	PLUG, CONNECTOR 2P (BLACK)
920	*1-564-505-31	PLUG, CONNECTOR 2P (RED)
921	*1-564-505-41	PLUG, CONNECTOR 2P (YELLOW)
922	*1-564-506-11	PLUG, CONNECTOR 3P (WHITE)
923	*1-564-506-21	PLUG, CONNECTOR 3P (BLACK)
924	*1-564-506-31	PLUG, CONNECTOR 3P (RED)
925	*1-564-506-41	PLUG, CONNECTOR 3P (YELLOW)
926	*1-564-507-11	PLUG, CONNECTOR 4P (WHITE)
927	*1-564-507-21	PLUG, CONNECTOR 4P (BLACK)
928	*1-564-507-31	PLUG, CONNECTOR 4P (RED)
929	*1-564-507-41	PLUG, CONNECTOR 4P (YELLOW)
930	*1-564-508-11	PLUG, CONNECTOR 5P
931	*1-614-290-11	PC BOARD, INPUT
932	*1-614-291-11	PC BOARD, FUNCTION
933	*1-614-292-11	PC BOARD, VIDEO
934	*1-614-293-11	PC BOARD, TONE
935	*1-614-294-11	PC BOARD, BALANCE
937	*1-615-518-11	(AEP,G-AEP)...PC BOARD, AC SWITCH (US).....PC BOARD, AC SWITCH
	*1-614-296-11	
938	*1-614-320-11	PC BOARD, EQ
939	*1-614-321-11	PC BOARD, SP SWITCH
940	*1-614-322-11	PC BOARD, SP TERMINAL
941	*1-614-323-11	PC BOARD, HEADPHONE
942	*1-614-324-11	PC BOARD, PS
943	*1-614-325-11	PC BOARD, VR
944	*1-614-326-11	PC BOARD, LED
945	*A-4388-461-A	(US,AEP)...MOUNTED PCB, MAIN
	*A-4388-462-A	(G-AEP)...MOUNTED PCB, MAIN

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Value	Tolerance	Unit
946	*1-535-115-00	TERMINAL			
947	1-535-416-00	(AEP,G-AEP)...TERMINAL			
948	*1-533-131-00	(AEP,G-AEP)...HOLDER, FUSE			
949	1-517-072-00	(US)...LAMP HOLDER			
950	▲.1-555-795-00	(AEP,G-AEP)...CORD, POWER			
951	▲.1-557-577-11	(US).....CORD, POWER			
952	*1-614-295-11	PC BOARD, LED (F)			
C4	1-130-291-00	FILM	0.0056MF	10%	100V
C001	1-123-334-00	ELECT	220MF	20%	25V
C002	1-106-172-00	MYLAR	0.001MF	5%	50V
C003	1-136-157-00	FILM	0.022MF	5%	50V
C004	1-123-307-00	ELECT	100MF	20%	6.3V
C005	1-123-518-00	ELECT	10MF	20%	63V
C006	1-123-518-00	ELECT	10MF	20%	63V
C101	1-107-294-00	MICA	56PF	5%	100V
C102	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C103	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C104	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C105	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C106	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C107	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C108	1-161-317-00	(G-AEP)...CERAMIC	330PF	10%	50V
C109	1-102-112-00	(G-AEP)...CERAMIC	330PF	10%	50V
C110	1-102-112-00	(G-AEP)...CERAMIC	330PF	10%	50V
C111	1-102-112-00	(G-AEP)...CERAMIC	330PF	10%	50V
C112	1-102-112-00	(G-AEP)...CERAMIC	330PF	10%	50V
C113	1-102-112-00	(G-AEP)...CERAMIC	330PF	10%	50V
C114	1-102-112-00	(G-AEP)...CERAMIC	330PF	10%	50V
C201	1-104-249-11	POLYSTYRENE	330PF	5%	125V
C202	1-104-151-00	POLYSTYRENE	0.0022MF	5%	125V
C203	1-136-324-00	FILM	0.01MF	10%	630V
C204	1-136-324-00	FILM	0.01MF	10%	630V
C206	1-123-360-00	ELECT	100MF	20%	50V
C207	1-136-248-00	FILM	0.056MF	3%	100V
C208	1-136-247-00	FILM	0.016MF	3%	100V
C209	1-124-334-00	ELECT	4.7MF	20%	100V
C211	1-104-151-00	POLYSTYRENE	0.0022MF	5%	125V
C301	1-136-165-00	FILM	0.1MF	5%	50V
C302	1-124-334-00	ELECT	4.7MF	20%	100V
C303	1-104-233-00	POLYSTYRENE	220PF	5%	125V
C304	1-104-233-00	POLYSTYRENE	220PF	5%	125V
C307	1-124-611-51	ELECT	1MF	20%	100V
C308	1-124-611-51	ELECT	1MF	20%	100V
C309	1-136-324-00	FILM	0.01MF	10%	630V
C310	1-136-324-00	FILM	0.01MF	10%	630V
C311	1-129-718-00	FILM	0.022MF	10%	630V

ELECTRICAL PARTS

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>				
C401	1-104-261-00	POLYSTYRENE	220PF	10%	125V	
C402	1-104-262-00	POLYSTYRENE	10PF	10%	125V	
C403	1-123-373-00	ELECT	47MF	20%	63V	
C404	1-123-374-00	ELECT	100MF	20%	63V	
C405	1-123-374-00	ELECT	100MF	20%	63V	
C406	1-123-373-00	ELECT	47MF	20%	63V	
C408	1-104-263-00	POLYSTYRENE	15PF	10%	125V	
C409	1-136-325-00	FILM	0.022MF	10%	630V	
C509	1-136-173-00	FILM	0.47MF	5%	50V	
C510	1-136-161-00	FILM	0.047MF	5%	50V	
C511	1-136-160-00	FILM	0.039MF	5%	50V	
C512	1-106-188-00	MYLAR	0.0047MF	10%	50V	
C513	1-136-169-00	FILM	0.22MF	5%	50V	
C514	1-124-186-00	ELECT	10MF	20%	50V	
C601	1-123-359-00	ELECT	47MF	20%	50V	
C602	1-123-359-00	ELECT	47MF	20%	50V	
C603	1-123-378-00	ELECT	1000MF	20%	63V	
C604	1-123-378-00	ELECT	1000MF	20%	63V	
C605	1-124-718-51	ELECT	2.2MF	20%	50V	
C606	1-124-718-51	ELECT	2.2MF	20%	50V	
C607	1-123-378-00	ELECT	1000MF	20%	63V	
C608	1-123-378-00	ELECT	1000MF	20%	63V	
C609	1-124-724-51	ELECT	47MF	20%	50V	
C610	1-124-724-51	ELECT	47MF	20%	50V	
C651	1-123-359-00	ELECT	47MF	20%	50V	
C652	1-123-359-00	ELECT	47MF	20%	50V	
C653	1-123-378-00	ELECT	1000MF	20%	63V	
C654	1-123-378-00	ELECT	1000MF	20%	63V	
C655	1-124-718-51	ELECT	2.2MF	20%	50V	
C656	1-124-718-51	ELECT	2.2MF	20%	50V	
C657	1-123-378-00	ELECT	1000MF	20%	63V	
C658	1-123-378-00	ELECT	1000MF	20%	63V	
C659	1-124-724-51	ELECT	47MF	20%	50V	
C660	1-124-724-51	ELECT	47MF	20%	50V	
C701	1-130-796-00	FILM	0.47MF	5%	250V	
C702	1-130-297-00	FILM	0.01MF	10%	100V	
C703	1-123-364-00	ELECT	1000MF	20%	50V	
C704	1-123-369-00	ELECT	4.7MF	20%	50V	
C711	1-125-382-11	ELECT	10000MF	20%	63V	
C712	1-125-382-11	ELECT	10000MF	20%	63V	
C751	1-130-796-00	FILM	0.47MF	5%	250V	
C752	1-130-297-00	FILM	0.01MF	10%	100V	
C761	1-125-382-11	ELECT	10000MF	20%	63V	
C762	1-125-382-11	ELECT	10000MF	20%	63V	
C801	1-161-744-00	CERAMIC	0.01MF		400V	
C802	1-161-744-00	(AEP, G-AEP) ... CERAMIC	0.01MF		400V	
C901	1-161-494-00	(G-AEP) ... CERAMIC	0.022MF	30%	25V	
C902	1-161-740-12	(G-AEP) ... MICA	470PF	5%	100V	
C903	1-161-740-12	(G-AEP) ... MICA	470PF	5%	100V	
C904	1-161-740-00	(G-AEP) ... CERAMIC	470PF	10%	400V	
C905	1-161-744-00	(G-AEP) ... CERAMIC	10000PF	10%	400V	
C906	1-161-744-00	(G-AEP) ... CERAMIC	10000PF	10%	400V	
C907	1-130-281-00	(G-AEP) ... FILM	0.0022MF	5%	100V	
C908	1-130-281-00	FILM	0.0022MF	5%	100V	
C951	1-161-494-00	CERAMIC	0.022MF	30%	25V	

ELECTRICAL PARTS

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>				
C952	1-161-740-12	(G-AEP) ... MICA	470PF	5%	100V	
C953	1-161-740-12	(G-AEP) ... MICA	470PF	5%	100V	
C954	1-161-740-00	(G-AEP) ... CERAMIC	470PF	10%	400V	
C955	1-130-281-00	FILM	0.0022MF	5%	100V	
C956	1-130-281-00	FILM	0.0022MF	5%	100V	
C957	1-130-281-00	(G-AEP) ... FILM	0.0022MF	5%	100V	
	▲CNJ801.1-526-794-11	(AEP, G-AEP) ... OUTLET, AC				
	▲CNJ801.1-526-883-00	(US) OUTLET, AC				
	▲CNJ802.1-526-883-00	(US) OUTLET, AC				
D001	8-719-107-94	DIODE 1SS202-1				
D002	8-719-107-94	DIODE 1SS202-1				
D003	8-719-107-94	DIODE 1SS202-1				
D004	8-719-918-47	DIODE GL-5NP5				
D005	8-719-910-01	DIODE HZ20-1				
D006	8-719-910-01	DIODE HZ20-1				
D007	8-719-107-94	DIODE 1SS202-1				
D008	8-719-107-94	DIODE 1SS202-1				
D009	8-719-107-94	DIODE 1SS202-1				
D010	8-719-107-94	DIODE 1SS202-1				
D051	8-719-107-94	DIODE 1SS202-1				
D052	8-719-107-94	DIODE 1SS202-1				
D053	8-719-107-94	DIODE 1SS202-1				
D401	8-719-902-97	DIODE EQA01-06R2				
D402	8-719-100-57	DIODE RD10E-B2				
D403	8-719-200-02	DIODE 10E-2				
D404	8-719-200-02	DIODE 10E-2				
D405	8-719-200-02	DIODE 10E-2				
D406	8-719-300-28	DIODE STV-2H				
D407	8-719-200-02	DIODE 10E-2				
D408	8-719-200-02	DIODE 10E-2				
D409	8-719-200-02	DIODE 10E-2				
D451	8-719-902-97	DIODE EQA01-06R2				
D452	8-719-100-57	DIODE RD10E-B2				
D453	8-719-200-02	DIODE 10E-2				
D454	8-719-200-02	DIODE 10E-2				
D455	8-719-200-02	DIODE 10E-2				
D456	8-719-300-28	DIODE STV-2H				
D457	8-719-200-02	DIODE 10E-2				
D458	8-719-200-02	DIODE 10E-2				
D459	8-719-200-02	DIODE 10E-2				
D451	8-719-902-97	DIODE EQA01-06R2				
D452	8-719-100-57	DIODE RD10E-B2				
D601	8-719-931-35	DIODE EQA01-35				
D602	8-719-931-35	DIODE EQA01-35				
D603	8-719-902-97	DIODE EQA01-06R2				
D604	8-719-902-97	DIODE EQA01-06R2				
D651	8-719-931-35	DIODE EQA01-35				
D652	8-719-931-35	DIODE EQA01-35				
D653	8-719-902-97	DIODE EQA01-06R2				
D654	8-719-902-97	DIODE EQA01-06R2				
D701	8-719-200-43	DIODE PB112E				
D702	8-719-511-20	DIODE S1VB20				
D703	8-719-200-02	DIODE 10E-2				
D707	8-719-931-06	DIODE EQB01-06				
D751	8-719-200-43	DIODE PB112E				
D901	8-719-918-57	DIODE GL-5NG27				
D902	8-719-918-57	DIODE GL-5NG27				

The components identified by shading and mark ▲ are critical for safety.
Replace only with part number specified.

TA-F555ES II

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D903	8-719-918-57	DIODE GL-5NG27
D904	8-719-918-57	DIODE GL-5NG27
D905	8-719-918-57	DIODE GL-5NG27
D906	8-719-918-57	DIODE GL-5NG27
D907	8-719-918-57	DIODE GL-5NG27
D908	8-719-918-57	DIODE GL-5NG27
D909	8-719-918-57	DIODE GL-5NG27
D910	8-719-918-57	DIODE GL-5NG27
D911	8-719-918-57	DIODE GL-5NG27
D912	8-719-918-57	DIODE GL-5NG27
D913	8-719-918-57	DIODE GL-5NG27
D914	8-719-918-57	DIODE GL-5NG27

F801 Δ .1-532-237-00 (AEP,G-AEP)...FUSE, TIME-LAG
 F801 Δ .1-532-509-00 (US)....FUSE, GLASS TUBE 6.3A

F802 Δ .1-532-286-00 (AEP,G-AEP)...FUSE, TIME-LAG

IC001	8-759-101-23	IC UPC1237H
IC201	8-759-905-42	IC NE5534P
IC251	8-759-905-42	IC NE5534P

IC301	8-759-801-74	IC CX20198
IC302	8-759-981-00	IC TL081CP
IC351	8-759-801-74	IC CX20198
IC352	8-759-981-00	IC TL081CP

L101	1-413-101-00	COIL, INPUT
L102	1-413-101-00	COIL, INPUT
L151	1-413-101-00	COIL, INPUT

L152	1-413-101-00	COIL, INPUT
L401	*1-422-031-00	COIL, AIRCORE
L451	*1-422-031-00	COIL, AIRCORE

Q001	8-729-173-37	TRANSISTOR 2SA733-P
Q002	8-762-020-00	TRANSISTOR 2SA835
Q003	8-762-020-00	TRANSISTOR 2SA835

Q004	8-729-173-37	TRANSISTOR 2SA733-P
Q005	8-729-194-57	TRANSISTOR 2SC945-P
Q006	8-729-194-57	TRANSISTOR 2SC945-P

Q007	8-729-194-57	TRANSISTOR 2SC945-P
Q051	8-729-173-37	TRANSISTOR 2SA733-P
Q201	8-729-201-28	TRANSISTOR 2SK146-BL

Q202	8-729-168-22	TRANSISTOR 2SC2682
Q203	8-729-194-57	TRANSISTOR 2SC945-P
Q204	8-729-224-62	TRANSISTOR 2SK246-GR

Q251	8-729-201-28	TRANSISTOR 2SK146-BL
Q252	8-729-168-22	TRANSISTOR 2SC2682
Q253	8-729-194-57	TRANSISTOR 2SC945-P

Q254	8-729-224-62	TRANSISTOR 2SK246-GR
Q401	8-729-103-66	TRANSISTOR UPA68H-M
Q402	8-729-907-11	TRANSISTOR 2SC2071

Q403	8-729-907-11	TRANSISTOR 2SC2071
Q404	8-729-699-51	TRANSISTOR 2SA995
Q405	8-729-114-22	TRANSISTOR 2SA1142

Q406	8-729-104-91	TRANSISTOR 2SA1383-Q
Q407	8-729-104-18	TRANSISTOR 2SA3514-Q
Q408	8-729-104-18	TRANSISTOR 2SA3514-Q

Q409	8-729-201-56	TRANSISTOR 2SK246-GR2
Q410	8-729-201-56	TRANSISTOR 2SK246-GR2
Q411	8-729-907-11	TRANSISTOR 2SC2071

The components identified by shading and mark Δ are critical for safety.
 Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q412	8-729-993-92	TRANSISTOR 2SA939
Q413	8-729-104-18	TRANSISTOR 2SA3514-Q
Q414	8-729-104-91	TRANSISTOR 2SA1383-Q

Q415	8-729-127-53	TRANSISTOR 2SC2275-P
Q416	8-729-118-53	TRANSISTOR 2SA985-P
Q417	8-729-301-82	TRANSISTOR 2SC3519-Y

Q418	8-729-301-86	TRANSISTOR 2SA1386-Y
Q419	8-729-301-82	TRANSISTOR 2SC3519-Y
Q420	8-729-301-86	TRANSISTOR 2SA1386-Y

Q451	8-729-103-66	TRANSISTOR UPA68H-M
Q452	8-729-907-11	TRANSISTOR 2SC2071
Q453	8-729-907-11	TRANSISTOR 2SC2071

Q454	8-729-699-51	TRANSISTOR 2SA995
Q455	8-729-114-22	TRANSISTOR 2SA1142
Q456	8-729-104-91	TRANSISTOR 2SA1383-Q

Q457	8-729-104-18	TRANSISTOR 2SA3514-Q
Q458	8-729-104-18	TRANSISTOR 2SA3514-Q
Q459	8-729-201-56	TRANSISTOR 2SK246-GR2

Q460	8-729-201-56	TRANSISTOR 2SK246-GR2
Q461	8-729-907-11	TRANSISTOR 2SC2071
Q462	8-729-993-92	TRANSISTOR 2SA939

Q463	8-729-104-18	TRANSISTOR 2SA3514-Q
Q464	8-729-104-91	TRANSISTOR 2SA1383-Q
Q465	8-729-127-53	TRANSISTOR 2SC2275-P

Q466	8-729-118-53	TRANSISTOR 2SA985-P
Q467	8-729-301-82	TRANSISTOR 2SC3519-Y
Q468	8-729-301-86	TRANSISTOR 2SA1386-Y

Q469	8-729-301-82	TRANSISTOR 2SC3519-Y
Q470	8-729-301-86	TRANSISTOR 2SA1386-Y
Q601	8-729-127-53	TRANSISTOR 2SC2275-P

Q602	8-729-118-53	TRANSISTOR 2SA985-P
Q603	8-729-224-62	TRANSISTOR 2SK246-GR
Q604	8-729-224-62	TRANSISTOR 2SK246-GR

Q605	8-729-127-53	TRANSISTOR 2SC2275-P
Q606	8-729-118-53	TRANSISTOR 2SA985-P
Q607	8-729-201-56	TRANSISTOR 2SK246-GR

Q608	8-729-201-56	TRANSISTOR 2SK246-GR
Q609	8-729-907-11	TRANSISTOR 2SC2071
Q610	8-729-993-92	TRANSISTOR 2SA939

Q651	8-729-127-53	TRANSISTOR 2SC2275-P
Q652	8-729-118-53	TRANSISTOR 2SA985-P
Q653	8-729-224-62	TRANSISTOR 2SK246-GR

Q654	8-729-224-62	TRANSISTOR 2SK246-GR
Q655	8-729-127-53	TRANSISTOR 2SC2275-P
Q656	8-729-118-53	TRANSISTOR 2SA985-P

Q657	8-729-201-56	TRANSISTOR 2SK246-GR
Q658	8-729-201-56	TRANSISTOR 2SK246-GR
Q659	8-729-907-11	TRANSISTOR 2SC2071

R001	1-247-26

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Value	Tolerance	Power	Mark
R010	1-246-530-00	CARBON	240K	5%	1/4W	
R011	1-247-163-00	CARBON	22K	5%	1/4W	
R012	1-247-147-00	CARBON	4.7K	5%	1/4W	
R013 A	1-206-658-00	METAL OXIDE	560	5%	2W	F
R014	1-247-163-00	CARBON	22K	5%	1/4W	
R015	1-247-147-00	CARBON	4.7K	5%	1/4W	
R016	1-247-163-00	CARBON	22K	5%	1/4W	
R017	1-247-147-00	CARBON	4.7K	5%	1/4W	
R018 A	1-206-674-00	METAL OXIDE	2.7K	5%	2W	F
R019	1-247-165-00	CARBON	27K	5%	1/4W	
R020	1-247-171-00	CARBON	47K	5%	1/4W	
R021 A	1-213-151-11	METAL OXIDE	4.7K	5%	1W	F
R022	1-247-256-00	CARBON	4.7K	5%	1/2W	
R023	1-247-147-00	CARBON	4.7K	5%	1/4W	
R024	1-247-717-11	CARBON	2.2K	5%	1/4W	
R025	1-247-147-00	CARBON	4.7K	5%	1/4W	
R101	1-246-545-00	CARBON	1M	5%	1/4W	
R102	1-246-545-00	CARBON	1M	5%	1/4W	
R103	1-246-545-00	CARBON	1M	5%	1/4W	
R104	1-246-545-00	CARBON	1M	5%	1/4W	
R105	1-246-545-00	CARBON	1M	5%	1/4W	
R106	1-246-545-00	CARBON	1M	5%	1/4W	
R107	1-247-131-00	CARBON	1K	5%	1/4W	
R108	1-247-131-00	CARBON	1K	5%	1/4W	
R109	1-247-131-00	CARBON	1K	5%	1/4W	
R110	1-247-123-00	(G-AEP) ... CARBON	470	5%	1/4W	
R111	1-247-123-00	(G-AEP) ... CARBON	470	5%	1/4W	
R112	1-247-123-00	(G-AEP) ... CARBON	470	5%	1/4W	
R113	1-247-123-00	(G-AEP) ... CARBON	470	5%	1/4W	
R114	1-247-123-00	(G-AEP) ... CARBON	470	5%	1/4W	
R115	1-247-119-00	(G-AEP) ... CARBON	330	5%	1/4W	
R116	1-247-119-00	(G-AEP) ... CARBON	330	5%	1/4W	
R117	1-247-123-00	(G-AEP) ... CARBON	470	5%	1/4W	
R201	1-247-280-00	CARBON	47K	5%	1/3W	
R202	1-247-228-00	CARBON	330	5%	1/3W	
R203	1-247-216-00	CARBON	100	5%	1/3W	
R204	1-249-176-51	CARBON	39	5%	1/3W	
R205	1-249-207-51	CARBON	750	5%	1/3W	
R206	1-249-207-51	CARBON	750	5%	1/3W	
R208	1-249-185-51	CARBON	91	5%	1/3W	
R209	1-247-228-00	CARBON	330	5%	1/3W	
R210	1-249-176-51	CARBON	39	5%	1/3W	
R211	1-247-224-00	CARBON	220	5%	1/3W	
R212	1-249-298-11	CARBON	4.7M	5%	1/3W	
R213	1-247-216-00	CARBON	100	5%	1/3W	
R214	1-214-907-00	METAL	56K	1%	1/2W	
R215	1-214-880-00	METAL	4.7K	1%	1/2W	
R216	1-214-840-00	METAL	100	1%	1/2W	
R217	1-214-812-00	METAL	6.8	1%	1/2W	
R218	1-247-224-00	CARBON	220	5%	1/3W	
R301	1-244-937-00	CARBON	470K	5%	1/3W	
R302	1-247-232-00	CARBON	470	5%	1/3W	
R303	1-247-212-00	CARBON	68	5%	1/3W	
R304	1-247-264-00	CARBON	10K	5%	1/3W	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Value	Tolerance	Power	Mark
R305	1-247-240-00	CARBON	1K	5%	1/3W	
R306	1-214-868-00	METAL	1.5K	1%	1/2W	
R307	1-214-862-00	METAL	820	1%	1/2W	
R308	1-214-862-00	METAL	820	1%	1/2W	
R309	1-244-937-00	CARBON	470K	5%	1/3W	
R310	1-247-212-00	CARBON	68	5%	1/3W	
R311	1-247-228-00	CARBON	330	5%	1/3W	
R312	1-214-868-00	METAL	1.5K	1%	1/2W	
R313	1-244-937-00	CARBON	470K	5%	1/3W	
R401	1-244-945-00	CARBON	1M	5%	1/3W	
R402 A	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R403 A	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R404	1-247-270-00	CARBON	18K	5%	1/3W	
R405	1-247-224-00	CARBON	220	5%	1/3W	
R406	1-247-236-00	CARBON	680	5%	1/3W	
R407	1-247-224-00	CARBON	220	5%	1/3W	
R409	1-247-200-00	CARBON	22	5%	1/3W	
R410	1-247-200-00	CARBON	22	5%	1/3W	
R411 A	1-247-131-00	CARBON	1K	5%	1/4W	F
R412	1-247-256-00	CARBON	4.7K	5%	1/3W	
R413 A	1-217-446-00	FUSIBLE	100	5%	1/2W	F
R414	1-247-224-00	CARBON	220	5%	1/3W	
R415	1-247-274-00	CARBON	27K	5%	1/2W	
R416 A	1-217-446-00	FUSIBLE	100	5%	1/2W	F
R417	1-214-867-00	METAL	1.3K	1%	1/2W	
R418	1-214-872-00	METAL	2.2K	1%	1/2W	
R419	1-214-901-00	METAL	33K	1%	1/2W	
R420	1-247-244-00	CARBON	1.5K	5%	1/3W	
R421	1-247-243-00	CARBON	1.3K	5%	1/3W	
R422	1-247-234-00	CARBON	560	5%	1/3W	
R425 A	1-217-454-00	FUSIBLE	470	5%	1/2W	F
R426 A	1-212-974-00	FUSIBLE	47	5%	1/2W	F
R427 A	1-212-974-00	FUSIBLE	47	5%	1/2W	F
R428 A	1-206-640-00	METAL OXIDE	100	5%	2W	F
R429 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R430 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R431 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R432 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R433	1-205-647-00	CEMENTED	0.22	5%	5W	
R434	1-205-647-00	CEMENTED	0.22	5%	5W	
R435 A	1-247-135-00	CARBON	1.5K	5%	1/4W	F
R436 A	1-247-135-00	CARBON	1.5K	5%	1/4W	F
R437	1-205-647-00	CEMENTED	0.22	5%	5W	
R438	1-205-647-00	CEMENTED	0.22	5%	5W	
R439	1-217-433-00	FUSIBLE	8.2	5%	1/2W	F
R440	1-217-582-00	CEMENTED	8.2	10%	5W	
R441 A	1-206-658-00	METAL OXIDE	560	5%	2W	F
R442	1-247-234-00	CARBON	560	5%	1/3W	
R443	1-247-234-00	CARBON	560	5%	1/3W	
R444 A	1-212-865-11	FUSIBLE	22	5%	1/2W	F
R452 A	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R453 A	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R461 A	1-247-131-00	CARBON	1K	5%	1/4W	F
R463 A	1-217-446-00	FUSIBLE	100	5%	1/2W	F
R466 A	1-217-446-00	FUSIBLE	100	5%	1/2W	F
R475 A	1-217-454-00	FUSIBLE	470	5%	1/2W	F
R476 A	1-212-974-00	FUSIBLE	47	5%	1/2W	F
R477 A	1-212-974-00	FUSIBLE	47	5%	1/2W	F

TA-F555ES II

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Value	Tolerance	Power	Unit
R478 A	1-206-640-00	METAL OXIDE	100	5%	2W	F
R479 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R480 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R481 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R482 A	1-217-434-00	FUSIBLE	10	5%	1/2W	F
R485 A	1-247-135-00	CARBON	1.5K	5%	1/4W	F
R486 A	1-247-135-00	CARBON	1.5K	5%	1/4W	F
R489	1-217-433-00	FUSIBLE	8.2	5%	1/2W	F
R491 A	1-206-658-00	METAL OXIDE	560	5%	2W	F
R494 A	1-212-865-11	FUSIBLE	22	5%	1/2W	F
R517	1-246-545-00	CARBON	1M	5%	1/4W	
R518	1-247-119-00	CARBON	330	5%	1/4W	
R520	1-247-151-00	CARBON	6.8K	5%	1/4W	
R521	1-247-138-00	CARBON	2K	5%	1/4W	
R523	1-247-149-00	CARBON	5.6K	5%	1/4W	
R548	1-247-128-00	CARBON	750	5%	1/4W	
R601	1-247-224-00	CARBON	220	5%	1/3W	
R602	1-247-224-00	CARBON	220	5%	1/3W	
R603	1-247-234-00	CARBON	560	5%	1/3W	
R604	1-247-234-00	CARBON	560	5%	1/3W	
R605	1-214-885-00	METAL	7.5K	1%	1/2W	
R606	1-214-884-00	METAL	6.8K	1%	1/2W	
R607	1-214-860-00	METAL	680	1%	1/2W	
R608	1-214-861-00	METAL	750	1%	1/2W	
R651	1-247-224-00	CARBON	220	5%	1/3W	
R652	1-247-224-00	CARBON	220	5%	1/3W	
R653	1-247-234-00	CARBON	560	5%	1/3W	
R654	1-247-234-00	CARBON	560	5%	1/3W	
R655	1-214-885-00	METAL	7.5K	1%	1/2W	
R656	1-214-884-00	METAL	6.8K	1%	1/2W	
R657	1-214-860-00	METAL	680	1%	1/2W	
R658	1-214-861-00	METAL	750	1%	1/2W	
R701 A	1-212-974-00	FUSIBLE	47	5%	1/2W	F
R702 A	1-247-188-00	CARBON	4.7	5%	1/2W	F
R703 A	1-247-272-00	CARBON	22K	5%	1/2W	F
R704 A	1-206-661-11	METAL OXIDE	750	5%	2W	F
R705 A	1-206-661-11	METAL OXIDE	750	5%	2W	F
R706 A	1-206-660-00	METAL OXIDE	680	5%	2W	F
R707 A	1-206-656-00	METAL OXIDE	470	5%	2W	F
R751 A	1-212-974-00	FUSIBLE	47	5%	1/2W	F
R808 A	1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R809 A	1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R858 A	1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R859 A	1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
RT301	1-224-253-XX	RES, ADJ, SOLID	22K			
RT351	1-224-253-XX	RES, ADJ, SOLID	22K			
RT401	1-224-550-21	RES, ADJ, METAL GLAZE	220			
RT402	1-224-248-XX	RES, ADJ, SOLID	470			
RT451	1-224-550-21	RES, ADJ, METAL GLAZE	220			
RT452	1-224-248-XX	RES, ADJ, SOLID	470			
RV301	1-230-654-11	RES, VAR, CARBON	100K/100K	(BALANCE)		
RV302	1-230-657-11	RES, VAR, CARBON	10K/10K	(ATTENUATOR)		
RV351	1-230-654-11	RES, VAR, CARBON	100K/100K	(BALANCE)		
RV352	1-230-657-11	RES, VAR, CARBON	10K/10K	(ATTENUATOR)		
RV501	1-230-655-11	RES, VAR, CARBON	24K/24K	(BASS)		
RV502	1-230-656-11	RES, VAR, CARBON	37K/37K	(TREBLE)		

ELECTRICAL PARTS

Ref.No.	Part No.	Description
RY551	1-230-655-11	RES, VAR, CARBON 24K/24K (BASS)
RY552	1-230-656-11	RES, VAR, CARBON 37K/37K (TREBLE)
RY001	1-515-503-00	RELAY
RY002	1-515-356-00	RELAY
RY003	1-515-356-00	RELAY
RY004	1-515-495-00	RELAY
S001	1-570-093-11	SWITCH, ROTARY (SPEAKERS)
S101	1-570-081-11	SWITCH, ROTARY SLIDE (AUDIO REC OUT SELECTOR)
S201	1-570-082-11	SWITCH, ROTARY SLIDE (REMOTE) (CARTRIDGE LOAD)
S301	1-570-078-11	SWITCH, PUSH (1 KEY)(SUBSONIC)
S501	1-570-079-11	SWITCH, PUSH (2 KEY)(TONE)
S502	1-570-079-11	SWITCH, PUSH (2 KEY)(BASS BOOST)
S801 A	1-554-880-11	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)
S801 A	1-552-246-12	(US)...SWITCH, PUSH (POWER)
S901	1-570-075-11	SWITCH, PUSH (7 KEY) (VIDEO 1,2/TAPE 1,2/CD/TUNER/PHONO)
T801 A	1-448-189-11	(US).....TRANSFORMER, POWER
T801 A	1-448-190-11	(AEP,G-AEP)...TRANSFORMER, POWER

ACCESSORY & PACKING MATERIAL

Part No.	Description
2-297-403-00	SHEET (LARGE), PROTECTION
3-701-630-00	BAG, POLYETHYLENE
3-760-469-11	MANUAL, INSTRUCTION
4-885-949-01	CUSHION (FRONT), UPPER
4-885-950-01	CUSHION (REAR), UPPER
4-885-951-01	CUSHION (FRONT), LOWER
4-885-952-01	CUSHION (REAR), LOWER
4-908-814-01	INDIVIDUAL CARTON

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Sony Corporation